Issued March 1962

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PLANT QUARANTINE DIVISION
WASHINGTON 25, D.C.

LIST OF INTERCEPTED PLANT PESTS, 1961

(Pests Recorded From July 1, 1960, Through June 30, 1961)

Compiled by
Bessie C. Mumford
Plant Quarantine Aid

INTRODUCTION

This report covers the 48th year for which lists of interceptions have been published. It summarizes records of plant pests found in, on, or with plants, plant products, baggage, cargo, mail, and means of conveyance (1) imported into or entering the United States or its possessions, (2) offered for entry but refused, (3) held in quarters or stores of planes or ships, (4) offered for entry for immediate transportation and exportation in bond, (5) in domestic shipments to the mainland from the States of Alaska and Hawaii, the American Virgin Islands, Guam, Puerto Rico, and other offshore possessions, or (6) in preclearance inspection in the Bahamas and Bermuda.

The pests listed include insects, snails, bacteria, fungi, nematodes, and viruses of known or potential plant quarantine significance to the United States. Some common organisms are included if they are new to the country of origin or the host plant, or are of such limited distribution in the United States that they are worthy of mention.

The data for this list include identifications received from the specialists during the fiscal year 1961 and represent some interceptions made during previous years. Determinations are largely made by specialists of the Entomology Research Division and the Plant Quarantine Division, although a certain amount of this work is done by collaborating State officials. Snail identifications are made by taxonomists in the Division of Mollusks, U.S. National Museum. Some critical studies and identifications are made by specialists of the Crops Research Division, who also identify many of the host plants.

Scientific names of the insects are reviewed by the specialists who identify them and also by Mr. Paul X. Peltier, entomologist, who assists in the compilation. Mrs. Alice J. Watson, mycologist, assists with the disease list. Host names are reviewed by Dr. Bernice G. Schubert of the New Crops Research Branch. Every effort is made to conform to the International Rules of Nomenclature. However, in the disease tabulation the name of the stage found is usually listed rather than the perfect stage. Family names are listed with the insects in the tabulation; orders are shown in the host list. Classes of the diseases are given in the disease host list.

COMMONWEALTH
2 MAY 1962

It is often difficult to trace the true origin of stores in planes and ships. Questionable cases are omitted, listed with a question mark, or shown as unknown. Pests of a serious nature reported for the first time from a country are usually listed as from an unknown origin or omitted until confirmation of the presence of the pest is given by the country concerned.

NOTES ON PESTS INTERCEPTED

The total number of interceptions for the fiscal year 1961 was 25,575, as compared with 30,230 the previous year. This does not include common pests which are widespread in this country and are no longer recorded. Of the total, 8,808 were considered of enough importance to be listed. The decrease in the number of interceptions may be due in part to the increased efforts of the Plant Quarantine Division to educate the public through the use of movies ("The Hidden Menace" and "Don't Bring Your Enemy Home") and various leaflets distributed to air and ship lines.

AIRBORNE MATERIAL

Interceptions of pests arriving by air totaled 8,722, of which 7,968 were insects or snails and 754 diseases or nematodes. There were 199 interceptions of significant insects found as stowaways on airplanes. Among the important airborne pests were 69 interceptions of the European cherry fruit fly, 3 of khapra beetle, 109 of the Mediterranean fruit fly, 28 of a chafer, *Melolontha melolontha*, 7 of the Mexican fruit fly, 30 of the olive fruit fly, 4 of the oriental fruit fly, 15 of the pink bollworm, 72 of the West Indian fruit fly, 153 of the black spot of citrus, 18 of citrus canker, 55 of the sweet orange scab, and 5 of the golden nematode.

FRUIT FLIES

A total of 685 fruit fly interceptions were identified to species as follows:

Anastrepha ludens, the Mexican fruit fly, was intercepted 151 times, 149 from Mexico and 2 from Guatemala. The hosts were cherimoya, grapefruit, mango, pomegranate, quince, sour orange, sweet lime, and sweet orange.

Anastrepha mombinpraeoptans, the West Indian fruit fly (142 times), in mamey sapote, mango, purple mombin, tropical almond, and yellow mombin from the American Virgin Islands, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Trinidad, and the West Indies (island(?)).

Anastrepha serpentina (4 times) in mamey sapote in air baggage from Mexico and Nicaragua, in star-apple in air baggage from Nicaragua, and in Tempisque jungleplum in baggage from Mexico.

Anastrepha suspensa (twice) on airplane window from Puerto Rico (?) and in guava in air baggage from Puerto Rico.

Ceratitis capitata, the Mediterranean fruit fly (195 times), an adult female in an airplane from Hawaii, and larvae in apple, apricot, Arabian coffee berry, cherry, *Coffea* sp. berry, fig, grape, grapefruit, guava, jujube, lemon, loquat, Mandarin orange, mango, pawpaw, peach, pear, pomegranate, pricklypear, quince, soda-apple nightshade fruit, sweet orange, and tropical almond. The countries of origin were: Argentina, Azores, Brazil, Costa Rica, Cyprus, Greece, Hawaii, Iran, Israel, Italy, Lebanon, Peru, Portugal, Republic of South Africa, Spain, Turkey, United Arab Republic, and an unknown origin. *C. capitata* (?) (19 times) in Arabian coffee berry, *Coffea* sp. berry, fig, *Musa* sp. fruit, pepper, pomegranate, sweet orange, and tropical almond from Greece, Hawaii, Italy, and Spain.

Ceratitis colae(?) (once) in Sudan colanut in aircargo from Nigeria.

Dacus cucurbitae, the melon fly (5 times), in cucumber, tomato, and zucchini squash in stores from Hawaii. *D. cucurbitae*(?) (twice) in cucumber in air stores and stores from Hawaii.

Dacus dorsalis, the oriental fruit fly (22 times), in banana, guamachil apesearring pod, Indiapoon beautyleaf fruit, lychee nut, mail package, mango, *Ochrosia elliptica*

fruit, pitanga, and tropical almond from Guam, Fiji(?), and Hawaii. *D. dorsalis*(?) (12 times) in agati sesbania, betel palm nut, guava, mango, ti berry, and tropical almond from Hawaii.

Dacus oleae, the olive fruit fly (57 times), with baggage and in olive in air baggage, air stores and baggage from Austria (?), Cyprus, Greece, Italy, Lebanon, and an unknown origin.

D. oleae(?) (once) in green olive from Italy.

Euleia heraclei (once) in celery in stores from Germany.

Rhagoletis alternata(?) (once) in rosaceous berry in baggage from Italy.

Rhagoletis cerasi, the European cherry fruit fly (69 times), in cherry in air baggage, air quarters, and air stores from Czechoslovakia, Denmark, France, Germany, Greece, Hungary, Israel(?), Italy, Netherlands, Poland, Portugal, Spain, and an unknown origin. *R. cerasi*(?) (once) in cherry from Italy.

INSECTS OTHER THAN FRUIT FLIES

The following insects of special significance were intercepted:

Acrolepia assectella (Hyponomeutidae) in leek in stores from France, Italy, and Spain.

Adoxophyes orana (Tortricidae) in apple in air stores and peach in air baggage from an unknown origin; and on cut roses in air baggage from the Netherlands.

Aleurocanthus spiniferus (Aleyrodidae) on sour orange leaf in stores from Japan.

Aleurocanthus woglumi (Aleyrodidae), the citrus blackfly (8 times), on *Citrus* sp. leaf in air baggage from Nicaragua and baggage from Mexico, on lime leaf in cargo from Mexico, and on sweet orange leaf in quarters from Jamaica.

Aspidiotus destructor (Coccidae) (19 times) on coconut in air baggage from Honduras and Mexico, baggage and cargo from Mexico, quarters from the Bahamas, and stores from Costa Rica, Mexico, Panama, and the Philippines; on kentia palm in stores from the Philippines; on oleander in quarters from the Bahamas; on palm seed in air baggage from Cuba; on rose leaf in baggage from Tortola; on screwpine in aircargo from Indonesia; and on sugar-apple and sweet orange in baggage from Cuba.

Blissus diplopterus (Lygaeidae) on hakea seed in mail from the Republic of South Africa.

Brachycerus algirus (Curculionidae) in garlic in cargo from Spain.

Brevipalpus chilensis (Tenuipalpidae) on grape in aircargo and cargo, on lemon in air stores, and on reed jacket for liquor in air baggage from Chile.

Bruchus tristis (Bruchidae) in broadbean in baggage, grass pea in baggage and mail, and white lupine seed in baggage from Italy; and in pea in stores from Greece.

Cacaecimorpha (*Archips*) *pronubana* (Tortricidae) in chayote and pomegranate in baggage from Italy.

Carposina niponensis (Carposinidae) in apple in stores from Japan.

Ceroplastes rubens (Coccidae) on anthurium leaf in mail and maile alyxia in baggage and mail from Hawaii.

Chilo suppressalis (Crambidae), the Asiatic rice borer (16 times), in rice straw in air baggage from Japan, baggage from Formosa, Spain, and an unknown origin, and mail and stores from Japan.

Coccus viridis (Coccidae) (40 times) on Brazil peppertree, *Citrus* sp. twig, coffee berry and leaf, *Gardenia* spp., guava, horseshoe geranium, ixora, jasmine, and lychee from Barbados, Brazil, Cuba, Hawaii, Madeira Islands, and St. Kitts.

Coptotermes niger (Rhinotermitidae) in rosewood log in cargo from Brazil and in virola log in cargo from Costa Rica.

Cryptoblabes gnidiella (Phycitidae) (18 times) in bamboo in baggage from Italy, on cockscomb cut flower in baggage from Greece, in lemon in air stores from Spain, on oleander cutting in air baggage from Bermuda, in pomegranate in air baggage from Israel and baggage from Italy, and in sweet orange in air baggage from Italy and air stores and stores from Spain.

Cylas formicarius (Curculionidae) in sweetpotato in aircargo and cargo from Hong Kong and Thailand.

Dialeurodes kirkaldyi (Aleyrodidae) on Arabian jasmine in mail and on frangipani cutting in air baggage from Hawaii, on gardenia in air baggage from Tahiti, and on jasmine in aircargo from the Philippines.

Diaspis juniperi (Coccidae) on Lawson falsecypress in cargo from the Netherlands.

Dichocrocis punctiferalis (Pyraustidae) on Japanese white pine in baggage from Japan and on rambutan in air baggage from the Federation of Malaya.

Dyspessa ulula (Cossidae) in garlic in cargo from Italy and Spain and stores from Yugoslavia.

Earias cupreoviridis (Noctuidae) in okra in stores from British West Africa.

Ectomyelois ceratoniae (Phycitidae) (33 times) in almond, Arabian coffee, assorted seed, barringtonia pod, English walnut, goldenshower senna pod, pomegranate, quince, sweet orange, and tamarind seed pod. Countries of origin were Africa (country(?)), Greece, Hawaii, Israel, Italy, Jamaica, Montserrat, Philippines, Portugal, Puerto Rico, and Turkey.

Epichorista ionephela (Tortricidae) on Cape chinkerichee in cargo and mail from the Republic of South Africa.

Epilachna 28-punctata (Coccinellidae) in cabbage in stores from Australia.

Epinotia aporema (Olethreutidae) in broadbean in air baggage from Ecuador and in pigeonpea in air baggage from Jamaica.

Euscepes postfasciatus (Curculionidae) in sweetpotato in stores from Brazil and Trinidad.

Evergestis forficalis (Pyraustidae) in cauliflower in stores from Norway.

Frankliniella intonsa (Thripidae) (17 times) on carnation, gladiolus, mixed cut flowers, rose, strawflower, and sweetpea in air baggage from Denmark, England, France, Germany, Hungary, Poland, and Sweden; and on rose in cargo from France.

Gnorimoschema ocellatella (Gelechiidae) in beet in air baggage from Italy and stores from the United Arab Republic.

Grapholitha janthiana(?) (Olethreutidae) in apple in air baggage and baggage from Austria, Rumania, and Yugoslavia and in air stores from an unknown origin.

Lampides boeticus (Lycaenidae) in broadbean in stores from the United Arab Republic and in mauna loa lei in air baggage and baggage from Hawaii.

Laspeyresia splendana (Olethreutidae) (29 times) in chestnut in air baggage and baggage from Germany, Italy, Portugal, Spain, Turkey, and Yugoslavia and in cargo from Italy.

Laspeyresia strobilella (Olethreutidae) in pine cone in baggage from England; and in spruce cone in air baggage and baggage from Germany and an unknown origin.

Lobesia botrana (Olethreutidae) in grape in air baggage from Italy and Lebanon.

Mamestra brassicae (Noctuidae) in *Brassica* sp. in stores from Japan, in cabbage in stores from England, France, Germany, Italy, and the Netherlands, in cauliflower in stores from Tanganyika, and in parsley in stores from Italy.

Maruca testulalis (Pyraustidae) (35 times) in cargo (with celery and chayote) from Puerto Rico, in jade flower(?) and mauna loa lei in air baggage and baggage from Hawaii, in pigeonpea in air baggage, airmail, and cargo from Puerto Rico, in sesbania in air baggage and mail from Hawaii, and in string bean in air baggage, airmail, and cargo from Puerto Rico and stores from Brazil and Japan.

Megastes grandalis (Pyraustidae) in sweetpotato in stores from Brazil.

Melolontha melolontha (Scarabaeidae), a chafer (28 times), as stowaway on airplane from France.

Nilotaspis halli (Coccidae) on *Prunus* sp. scion in aircargo from Iran.

Ostrinia (*Pyrausta*) *nubilalis* (Pyraustidae) in broomcorn stalk in baggage and cargo from Italy and in mail from Yugoslavia, in chestnut in air baggage from Italy, on chrysanthemum in air baggage from Japan, with military cargo from Spain, and in string bean in stores from Japan.

Oulema (*Lema*) *melanopa* (Chrysomelidae) in soil with heather plant in baggage from Germany and on unidentified plant in cargo from the Netherlands.

Parlatoria zizyphus (Coccidae) (49 times) on *Citrus* sp. leaf, grapefruit, lemon, Mandarin orange, pummelo, sour and sweet lime, and sweet orange from Algeria, Cameroun, China, Formosa, Gambia, Hong Kong, Israel, Italy, Japan, Liberia, Okinawa, Philippines, Spain, Thailand, and an unknown origin.

Pectinophora gossypiella (Gelechiidae), the pink bollworm (33 times), in bale of cotton in cargo from India; in bale of cotton motes in cargo from Brazil; in cotton boll in air baggage from Haiti, Hawaii, Italy, and Turkey, baggage from Mexico, and mail from Hawaii; in cottonseed in air baggage from Brazil and Grand Cayman, baggage from Mexico, cargo from Hong Kong and the United Arab Republic, and quarters from Mexico; in hibiscus lei in air baggage from Cuba; in Levant cotton boll in air baggage from Trinidad; in okra in air baggage from the Dominican Republic, Haiti, and Jamaica and in aircargo and stores from the Dominican Republic; and in seed cotton in quarters from Mexico.

Perkinsiella saccharicida (Delphacidae) on anthurium flower in air baggage from Hawaii.

Phalonia zephyrana (Phaloniidae) in carrot in stores from Italy.

Pieris brassicae (Pieridae) on cabbage in stores from Italy, on lettuce in stores from the Azores, and with military cargo from Greece and Morocco.

Pityogenes chalcographus (Scolytidae) in conifer dunnage from Belgium and Germany.

Prays oleellus (Hyponomeutidae) in olive leaf cutting and fruit in air baggage and baggage from Italy.

Prodenia litura (Noctuidae) in pepper in stores from Israel.

Rhynchites auratus (Curculionidae) in sloe seed in mail from Scotland.

Sesamia cretica (Noctuidae), the durra stem borer, in sorghum stalk in cargo from Italy.

Stenoma catenifer (Stenomidae) (23 times) in avocado in air baggage and baggage from Brazil, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, and Panama.

Taeniothrips gracilis (Thripidae) (18 times) on amaryllis bulb in cargo from Japan, on cut gladiolus in air baggage from Bermuda, on *Lycoris* spp. bulbs in cargo from Japan, on polyanthus narcissus bulb in air baggage from Formosa, and on sweetpea in air baggage from Bermuda.

Tetranychus viennensis (Tetranychidae) on apple in air baggage from Germany, air stores from an unknown origin, and stores from Japan.

Thrips major (Thripidae) on fig in air baggage from Italy, on heather in air baggage from Germany, on lily-of-the-valley in air quarters from an unknown origin, on mixed cut flowers in air baggage from Denmark and Scotland, and on roses in air baggage from the Azores, England, France, and Germany and in aircargo from France.

Trogoderma granarium (Dermestidae), the khapra beetle (202 times), with bagging (including used burlap and wrappers on cinnamon, cotton waste, guar gum, karaya gum, pigeonpea, rice, stores, etc.), bean, celery seed, chickpea, cinnamon, common cassava, cottonseed, cumin seed, debris, food, filbert nut, ginger root, gum, gum arabic, gum ghatti, guar gum, gutta-percha, karaya gum, lima bean, myrobalan, pea, peanut, pistache nut, quarters of ship, rice, rye straw, stores (including bean, chickpea, corn, flour, grits, lentil, macaroni, noodles, pigeonpea, sesame seed, soybean, and miscellaneous dry stores), and wheat. Infested materials were from the following countries: Ceylon, China, England, Federation of Malaya, Formosa, France, Germany, Greece, Hong Kong, India, Iraq, Italy, Japan, Korea, Kuwait, Mozambique, Netherlands, Nigeria, Pakistan, Philippines(?), Senegal, Singapore, Sudan, Thailand, United Arab Republic, and an unknown origin.

Unaspis yanonensis (Coccidae), the yanone scale (467 times), on *Citrus aurantium* var., *Citrus* sp., grapefruit, ichandarin, ichang bitter-orange, King orange, lemon, lime, Mandarin orange, sour orange, sweet orange, and tangelo from Japan and the Philippines.

Zeadiatraea lineolata (Crambidae) in corn in air baggage from Honduras.

SNAILS

The following snails of particular interest were intercepted:

Bradybaena similaris (13 times) on various cut flowers and foliage in air baggage, baggage, cargo, and mail from Hawaii; and in soil with asparagus plant in air baggage from Bermuda.

Achatina fulica, the giant African snail (5 times), with air baggage and in mail from Hawaii; and with stone in cargo from Guam.

Cochlicella barbara (26 times) on military cargo from France, Morocco, Spain, and Turkey; and in soil in baggage from Italy.

Cochlicella conoidea on military cargo from Spain.

Cochlicella ventrosa (10 times) on military cargo from the Azores, Bermuda, Italy, Morocco, and an unknown origin.

Euglandina striata (17 times) on banana in cargo from Ecuador.

Ten species of *Helicella* were intercepted a total of 41 times from the Azores, France, Greece, Italy, Libya, Morocco, Netherlands, Spain, Turkey, and an unknown origin. The hosts were cabbage seed, camomile, military cargo, nasturtium seed, romaine lettuce, soil sample, soil with automobile, and sweet orange.

Monacha cantiana on lettuce in stores from Italy, military cargo from France, and unidentified plant in cargo from Germany.

Monacha carthusiana on cabbage seed in baggage and on military cargo from Italy.

Porphyrobaphe iostoma (8 times) on banana in cargo from Ecuador and an unknown origin; and in quarters from Ecuador.

Rumina decollata in soil in baggage from Italy.

Solaropsis monile (3 times) on banana in cargo from Ecuador.

Subulina octona on bromeliad plant in aircargo from Surinam and on avocado seedling in air baggage from St. Lucia.

Theba pisana, the Mediterranean land snail (64 times), on camomile in aircargo, on military cargo, in quarters, and on beet, cabbage, lettuce, other mollusks, and sweet

orange in stores from the following countries: France, Italy, Libya, Morocco, Spain, Turkey, and an unknown origin.

Other snails of potential economic importance were *Cecilioides acicula, Cepaea hortensis*(?), *Helicina strebeli, Helix aspersa, H. pomatia, Lamellaxis gracilis, Limax marginatus, L. maximus, Otala lactea, O. vermiculata, Oxychilus alliarius,* and *O. draparnaldi.*

DISEASES

Elsinoe australis, the sweet orange scab, was intercepted a total of 163 times; 98 from Brazil, 55 from Argentina, 7 from an unknown origin, and 3 from Uruguay. The hosts were grapefruit, lemon, lime, Mandarin orange, and sweet orange.

Phoma citricarpa (perfect stage is *Guignardia citricarpa* Kiely), the black spot of citrus, was intercepted 255 times; 75 of these came from an unknown origin, 46 from Japan, 34 from Hong Kong, 28 from Australia, 27 from the Republic of South Africa, 25 from China, 8 from Formosa, 3 from Africa (country(?)), 2 each from Asia (country(?)), Fiji, and Mozambique, and 1 each from Brazil, New Zealand, and the West Pacific. The hosts were *Citrus* sp., citron, grapefruit, lemon, Mandarin orange, pummelo, sour orange, sweet orange, and tangelo.

Xanthomonas citri, citrus canker, was intercepted 127 times; 107 came from Japan, 4 from Hong Kong, 3 each from China, Formosa, India, and an unknown origin, 2 from the Philippines, and 1 each from Thailand and Vietnam. The hosts were *Citrus* sp., grapefruit, ichandarin, lemon, lime, Mandarin orange, pummelo, Satsuma orange, sour orange, and sweet orange.

Xanthomonas sp. (Cancrosis B) was intercepted 5 times; 3 from Argentina and 2 from an unknown origin, on grapefruit and lemon.

Other pathogens of special interest were:

Gymnosporangium haraeanum on pyramid Chinese juniper and sargent Chinese juniper in air baggage, aircargo, and cargo from Japan.

Phomopsis occulta var. *ginkgoina* on dwarf ginkgo tree in cargo from Japan.

Phomopsis palmicola on betel palm nut in mail from Guam.

Phomopsis pterophila on samara wing of European ash seed in cargo from Italy.

Phyllosticta salicifoliae on irontree in air baggage from Australia.

Phyllostictina cordylines on ti in air baggage and aircargo from Hawaii.

Phyllostictina mangiferae on mango leaf in baggage from Mexico.

Prospodium perornatum on herbarium specimen of trumpet tree in baggage from Mexico.

Prospodium pithecoctenii on Mexican monkeycomb seed pod in air baggage and baggage from Mexico.

Puccinia hordei on barley straw in mail from Kenya. First interception of this pathogen from that country.

Puccinia kusanoi on bamboo leaf in airmail from Japan.

Puccinia noccae on *Lagascea glandulosa* cutting in herbarium press in baggage from Mexico. New host as far as is known.

Sphenospora mera on *Catasetum* sp. and *Mormodes* sp.(?) orchid leaves in aircargo from Peru.

Sphenospora saphena on *Oncidium pulchellum* orchid leaf in air baggage from Haiti and aircargo from Jamaica, on *Oncidium* sp. leaf in aircargo from Peru, and on orchid leaf in air baggage from Haiti. *S. saphena*(?) on *Ionopsis utricularioides* leaf in air baggage from Jamaica. This is a new host for this rust.

Uredo nidularii on bromeliad leaf in aircargo from Costa Rica and on tillandsia leaf in baggage and cargo from Mexico.

Uredo oncidii on *Ornithocephalus* sp. orchid leaf in aircargo from Panama and Peru and on *Rodriguezia* sp.(?) orchid leaf in aircargo from Peru.

Uromyces aloes on *Aloe dewetii, A. simii,* and *A. vryheidensis* in aircargo from the Republic of South Africa.

Uromyces fabae (5 times) on lentil in air baggage from Argentina, cargo and quarters from Chile, and stores from an unknown origin; and on broadbean in stores from the Netherlands.

NEMATODES

Aphelenchoides bicaudatus in sweetpotato in baggage from Mexico.

Aphelenchoides fragariae(?) in hyacinth bletilla stem in cargo from Japan.

Criconemoides mutabile in soil with flamboyant-tree, philodendron, and unidentified plant in baggage from Mexico.

Ditylenchus dipsaci in narcissus bulb in mail from England.

Helicotylenchus nannus in soil with asparagus, botree fig, citrus, *Echeveria* sp., laurel, pepper, spiderwort, and unidentified plant in baggage from Mexico.

Heterodera avenae, the oat nematode (12 times), in soil with the following: Freesia bulb in cargo from England, garlic and onion in cargo and grape root and lemon tree in baggage from Italy, potato in stores from Belgium, rose bush in mail from Germany, tulip bulb in cargo from Denmark, and used automobile in cargo from Sweden.

Heterodera cacti (27 times) in soil with begonia, cactus, fern, garlic, philodendron, tuberose, railway car, and unidentified plants from Argentina, Chile, France, Germany, Italy, Mexico, and Switzerland.

Heterodera punctata (14 times) in soil with amaryllis, automobile, babysbreath, begonia, cactus, grass sod, heather, philodendron, railway car, rose, and unidentified plant from Austria, Belgium, England, Germany, Mexico, Norway, and Switzerland.

Heterodera rostochiensis, the golden nematode (29 times), in soil sample and soil with chrysanthemum, shamrock, and violet plants in air baggage; in soil with strawberry plant in airmail; in soil with amaryllis, begonia, cactus, fern, *Haworthia papillosa*, ivy, palm, peony, and unidentified plant in baggage; in soil with dahlia root, *Dianthus* sp., horseshoe geranium, *Medinilla magnifica*, and rose plant in mail; and in soil with celeriac, celery, horseradish, lettuce, potato, and turnip in stores. Countries of origin were Belgium, England, Germany, Ireland, Mexico, Netherlands, Poland, Spain, and Sweden.

Meloidogyne arenaria, M. arenaria arenaria (first interception), *M. hapla, M. incognita, M. incognita acrita*, and *M. javanica*, rootknot nematodes, were intercepted from Argentina, England, Germany, Guatemala, Italy, Japan, Mexico, Netherlands, and the Republic of South Africa. Hosts were roots of the following: Alocasia, asparagus, beet, caladium, calla lily, capefuchsia, carrot, clematis, common edelweiss, coriander, *Cussonia* sp., *Euphorbia multiceps*, fragrant viburnum, gardenia, gerbera, rose bush, tuberose, tuberous begonia, and yam.

Pratylenchus penetrans in dahlia root in mail from Australia.

Pratylenchus pratensis in geranium in baggage from Mexico.

Psilenchus hilarulus in mesembryanthemum and in soil with unidentified plant in baggage from Mexico.

Radopholus similis in anthurium root in baggage from Hawaii.

Scutellonema brachyurum in soil with *Crassula* sp. and African-violet plants in baggage from Mexico.

Scutellonema christiei in soil with philodendron plant in baggage from Mexico.

Tylenchorhynchus capitatus in soil with citrus plant in baggage from Mexico.

Tylenchus costatus in soil with African-violet plant in baggage from Mexico.

Tylenchus filiformis in soil with African-violet plant in baggage from Mexico.

INCOMPLETELY DETERMINED PESTS

Sometimes it is not possible to complete a determination as to species, due to the stage or condition of the insect or pathogen when intercepted or the fact that it is undescribed. Many of these pests are (1) of potential economic importance, (2) unreported from the country of origin or the United States, or (3) new to the host plant. Some of the significant ones are included in this writeup, but not in the table. This year there were 2,765 insects, 525 diseases, and 195 nematodes, or a total of 3,485 incompletely determined interceptions considered important enough to record.

INCOMPLETELY DETERMINED FRUIT FLIES

There were 230 incompletely determined fruit fly interceptions as follows:

Anastrepha sp., possibly *fraterculus* (Wied.) (4 times) in coffee berry in air baggage from Brazil and Colombia, loquat in air baggage from Brazil, and quince in air baggage from Peru.

Anastrepha sp., possibly *ludens* (9 times) in kaki persimmon in air baggage from Mexico, mamey and mamey sapote in baggage from Mexico, mango in baggage from Mexico and quarters from Panama, sweet orange in air stores from Guatemala, and white sapote in baggage from Mexico.

Anastrepha sp., possibly *mombinpraeoptans* (15 times), in avocado in air baggage from El Salvador; in mango in air baggage from Aruba, El Salvador, Guatemala, and Panama and in airmail, baggage, and quarters from Puerto Rico; in mombin in air baggage from Costa Rica and Guatemala; in tropical almond in air baggage from Jamaica; and in unidentified fruit in baggage from Mexico.

Anastrepha sp., possibly *serpentina* (3 times), in mamey in air baggage and sapote in air baggage and baggage from Mexico.

Anastrepha sp., possibly *striata* (Schin.) (9 times), in guava in air baggage from Panama and baggage from Mexico; and in sweet orange in air baggage from Guatemala.

Anastrepha sp., possibly *suspensa* (11 times), in guava in air baggage from Cuba and Puerto Rico, in rose-apple in air baggage from the Dominican Republic, in sapodilla in air baggage from Cuba, and in tropical almond in air baggage from Jamaica and Puerto Rico and baggage from an unknown origin.

Anastrepha sp., (127 times) in *Annona* sp., apple, baggage, cherimoya, custard-apple grapefruit, guava, mamey, mango, *Matisia cordata*, palm fruit, pear, pepper, purple mombin, quince, sapodilla, sapote, star-apple, sweet orange, tropical almond, unidentified fruit, and yellow mombin. Countries of origin were Argentina, Barbados, Brazil, British Honduras, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Trinidad, an unknown origin, and Venezuela. *Anastrepha* sp. (?) (twice) in Arabian coffee berry in air baggage from Jamaica and Mandarin orange in air stores from Brazil (?).

Dacus sp., probably *ciliatus* Loew (once) in cucumber in stores from Senegal.

Dacus sp., possibly *cucumerius* Sack (once) in cucumber in stores from French West Africa (intercepted before the division of this country).

Dacus sp. (7 times) in avocado in air quarters from an unknown origin, cucumber in stores from the Ivory Coast, and guava in air baggage from American Samoa, Hawaii, and the Philippines. *Dacus* sp.(?) (once) in soursop in air baggage from French Equatorial Africa (intercepted before the division of this country).

Rhagoletis sp., possibly *cerasi* (once), in plum in air stores from Spain.

Rhagoletis sp. (13 times) in apple, black walnut, and red haw in baggage from Mexico and jujube in air baggage from Italy. *Rhagoletis* sp.(?) (6 times) in apple in air baggage from Mexico, air stores from an unknown origin, and baggage from Italy; in *Crataegus grayana* fruit in mail from an unknown origin; in miyama cherry seed in mail from Japan; and in pear in baggage from Mexico.

Tephritidae, genus and species of Tephritinae (twice) on *Bellis* sp. in air quarters from an unknown origin and on flower with seed in air baggage from Guatemala. Tephritidae, probably Tephritinae (once) on composite flower in packing material in cargo from Mexico.

Tephritidae (16 times) in common smoketree seed in mail from Austria, globe artichoke leaf in air baggage from Italy, green pea in stores from Japan, guava in airmail from Puerto Rico, mango skins in air quarters from Brazil, *Osteospermum spinosum* seed in aircargo from the Republic of South Africa, peach in air baggage from an unknown origin, pepper in air baggage from the Philippines, *Physalis* sp. in cargo from Mexico, plantain in air baggage from Hawaii, pomegranate in baggage from Italy, Satsuma orange in air baggage from Colombia, shelled corn in air baggage from Brazil, and tropical almond in air baggage and mail from Hawaii. Tephritidae(?) (twice) in *Dioon edule* plant in cargo from Mexico and tuberose lei in air baggage from Tahiti.

Terellia sp. (once) in globe artichoke in baggage from France.

INSECTS OTHER THAN FRUIT FLIES

Of special interest among the incompletely determined insects, other than fruit flies, were the following:

Acalles sp. (Curculionidae), not in the U.S. National Museum Collection, in cyclamen bulb in cargo from Italy.

Aegyptobia n. sp. (Tenuipalpidae) on leaf of dwarf pyramid Chinese juniper in baggage from Japan.

Agriotes sp., near *obscurus* (L.) (Elateridae), in beet in stores from Italy.

Aleyrodidae, new genus near *Aleurodicus*, n. sp., on *Epidendrum fragrans* leaf in aircargo from Nicaragua; and on orchid leaf in aircargo from British Honduras and baggage and cargo from Mexico.

Aphidae, perhaps Pemphiginae, not found in literature or in the U.S. National Museum Collection, on clematis seed in airmail from Japan.

Argyresthia sp., near *eugeniella* Busck (Hyponomeutidae), in guava in air baggage from El Salvador.

Argyresthia sp. (Hyponomeutidae) on pyramid Chinese juniper in air baggage from Japan.

Argyroploce sp. (Olethreutidae) in bell pepper in stores from the Republic of South Africa.

Athalia sp. (Tenthredinidae) in petsai in stores from Japan.

Athous sp. (Elateridae) in soil with azalea plant in air baggage from Belgium.

Blastodacna sp. (Cosmopterygidae) in peach in air stores from Italy.

Blissus n. sp. (Lygaeidae) on *Andropogon* sp. grass sample in baggage from Mexico.

Brachyrhinus sp. (Curculionidae) with packing material in cargo from the Netherlands.

Cacoecimorpha sp., near or *pronubana* (Tortricidae), in sweet orange in baggage from Italy.

Ceroplastes sp., may be *cirripediformis* Comst. (Coccidae), on holly malpighia in air baggage from Bermuda.

Ceroplastes sp., may be *rusci* complex (Coccidae), on *Eucalyptus* sp.(?) leaf in air baggage from India.

Ceroplastes sp. (Coccidae) on bird-of-paradise-flower leaf in aircargo from Italy, on chrysanthemum plant in air baggage from Venezuela, on gardenia leaf in mail from Australia, on laurel in quarters from Italy, on mint plant in air baggage from Cuba, on passionflower in baggage and plumeria in air baggage from Hawaii, and on unidentified leaf in baggage from Italy.

Chirothrips sp., probably *aculeatus* Bgn. (Thripidae), on mixed cut flowers in air baggage and nursery stock in cargo from Germany.

Chrysomphalus sp., undescribed (Coccidae), on bromeliad leaf in aircargo from Jamaica.

Cocotrypes sp. (Scolytidae) in betel palm nut in baggage from India.

Coptotermes sp., probably *testaceus* (L.) (Rhinotermitidae), in rosewood log in cargo from Brazil.

Coptotermes sp. (Rhinotermitidae) in *Paurotis wrighti* log in cargo from Mexico.

Dallasiellus sp. (Pentatomidae), not in U.S. National Museum Collection, on orchid leaf in aircargo from Nicaragua and baggage from Mexico.

Diaprepes sp., evidently *famelicus* (Ol.) var. (Curculionidae), on marigold flower in air baggage from Bermuda.

Diatraea sp., near or *considerata* Hein. (Crambidae), on sugarcane in baggage from Mexico.

Diatraea sp., near or *magnifactella* Dyar (Crambidae), on sugarcane in baggage from Mexico.

Dinurothrips sp., may be *hookeri* Hood (Thripidae), very pale for any described species, on orchid plant in aircargo from Peru.

Dysdercus sp., possibly *mavrus* Dist. (Pyrrhocoridae), with bromeliad plant in airmail from Brazil.

"Eulia" sp. (Tortricidae) in plum, peach, and grape in cargo from Chile.

Eurytoma sp. (Eurytomidae) in bromeliad seed pod in aircargo from Peru, with kafirbread seed in mail from the Republic of South Africa, and in galls on eucalyptus in aircargo from Australia.

Euura sp. (Tenthredinidae) in willow twig tie in air baggage from Switzerland.

Euzophora sp., near or *bigella* (Zell.) (Phycitidae), in quince in baggage from Greece.

Fiorinia sp., not placed as anything described (Coccidae), on date in air baggage from Saudi Arabia.

Gnorimoschema sp., near or *borsaniella* (Koehl.) (Gelechiidae), in pepper in air baggage from Argentina.

Harmolita sp. (Eurytomidae) on pampasgrass in air baggage from Turkey and on esparto grass in cargo from Italy.

Heilipus sp. (Curculionidae) in avocado seed in air baggage from Panama and baggage from Mexico.

Heliothis sp., presumably *armigera* (Hbn.) (Noctuidae), with cauliflower in stores from Greece, in chili pepper in stores from Japan, in tomato in cargo from the Canary Islands, in eggplant in stores from the Republic of South Africa, and in corn stalk in aircargo from Spain.

Hyperodes sp. (Curculionidae) in carrot in stores from Argentina.

Ips sp. (Scolytidae) in pine bark in dunnage from Japan and crate in cargo from Italy.

Laspeyresia sp. (Olethreutidae), not represented by larval stage in the U.S. National Museum Collection, in broadbean in aircargo from Italy.

Lecanium sp. (Coccidae) on dwarf English yew in cargo from England and on podocarpus leaf in airmail from the Netherlands.

Lixus sp. (Curculionidae) on wawa log in cargo from Ghana.

Lygaeidae, subfamily Pachygronthinae, not represented in the U.S. National Museum Collection, on protea seed in aircargo from the Republic of South Africa.

Malacorhinus sp. (Chrysomelidae), not in the U.S. National Museum Collection, on orchid plant in air baggage from Jamaica(?).

Megastigmus sp. (Torymidae) in white spruce seed in cargo from Denmark.

Mesolecanium sp. (Coccidae), not placed as described, on bromeliad in cargo from Mexico.

Miridae, subfamily Bryocorinae, tribe Bryocorini, not in the U.S. National Museum Collection, on agave in cargo from Mexico.

Myelois group (Phycitidae), a species not represented in the U.S. National Museum Collection, on Ivorycoast cherry-orange in airmail from the Republic of the Congo.

Nematus sp. (Tenthredinidae) on birch leaf in air baggage from Italy.

Neocattarus sp. (Lygaeidae), probably new, on bromeliad, orchid, and philodendron plants in baggage from Mexico and orchid plant in aircargo from Guatemala.

Olethreutidae, not represented by larval stage in the U.S. National Museum Collection, in legume pod in stores from Japan.

Phatnoma sp. (Tingidae), not in the U.S. National Museum Collection, in cacao bean pod in air baggage from Ecuador.

Phyllobrotica sp. (Chrysomelidae) on lily bulb in cargo from Japan.

Pieris sp., probably *brassicae* (Pieridae), with military cargo from Greece.

Premnotrypes sp. (Curculionidae) (7 times) in potato in air baggage and stores from Colombia and Peru.

Reticulitermes sp., probably *lucifugus* (Rossi) (Rhinotermitidae), on dahlia root in baggage from Greece.

Steneotarsonemus sp. (Tarsonemidae), probably n. sp., on sweet orange in air stores from Jamaica.

Stephanopachys sp., probably *quadricollis* (Marseul) (Bostrichidae), in pine wood in cargo from Portugal.

Tetranychus sp , probably undescribed, near *cinnabarinus* (Bois) (Tetranychidae), on nettlespurge in baggage from Aruba.

Xyloperthodes sp , probably *nitidipennis* (Murray) (Bostrichidae), in wawa log in cargo from Ghana.

INCOMPLETELY DETERMINED DISEASES

Of the 525 incompletely determined diseases which were recorded, the following are of special interest:

Ascochyta sp. on *Glycine javanica* seed in mail from Ethiopia. None reported from Ethiopia as far as is known.

Cercospora sp. on coriander in cargo from Puerto Rico and on mahonia in air baggage from Japan. None reported on mahonia as far as is known.

Colletotrichum sp. on leaf of oyster rhoeo in mail from Hawaii. None reported on this host as far as is known.

Coniothecium sp., may be *chomatosporum* Cda., on apple in cargo from New Zealand.

Coniothyrium sp. on lemon in stores from Aruba and on sour orange in stores from Japan.

Curvularia sp., probably *geniculata* group, on *Strongylodon macrobotrys* in aircargo from the Philippines.

Diorchidium sp. or *Dicheirinia* sp., probably new, on senna in baggage from Mexico.

Dothiorella sp., probably new, on orchid stem in aircargo from British Honduras and Venezuela.

Eremotheca sp. on *Odontoglossum* sp. leaf in cargo from Mexico.

Graphium sp. on Hindu lotus in stores from Japan. None reported on this host as far as is known.

Hormiscum sp. on boojamtree plant in baggage from Mexico.

Massaria sp. on *Conyza velutina* cutting in aircargo from the Federation of Malaya. None reported on this host as far as is known.

Monilia sp. on *Bombax* sp.(?) fruit in baggage from Mexico.

Mycosphaerella sp. on tree peony plant in aircargo from Japan.

Ophiobolus sp. on coconut in baggage from Hawaii and Tahiti.

Phomopsis sp. on flame amherstia in aircargo from Indonesia, *Lucia calathea* leaf petiole in aircargo from Canada, and smooth senna seed in mail from Southeast Asia.

Phyllosticta sp. on teatree in aircargo from Australia.

Phyllostictina sp. on maile alyxia in air baggage from Hawaii and nandina in air baggage from Japan.

Robillarda sp., close to *agrostidis* Sprague, on Bermuda grass in airmail from India.

Robillarda sp. on vanda orchid leaf in baggage from Venezuela.

Septoria sp. on common anthurium leaf in aircargo from Belgium and on coriander in baggage from Mexico.

Sphenospora sp., may be new, on *Huntleya burtii* orchid plant in aircargo from Costa Rica, on *Lycaste* sp.(?) leaf in aircargo from Peru, and on pansyorchid leaf in air baggage from Panama.

Sporodesmium sp., close to *tropicale* Ellis, on sago palm plant in air baggage from Okinawa. New to host as far as is known.

INCOMPLETELY DETERMINED NEMATODES

Aphelenchoides sp., closely related to *parietinus* (Bastian) Steiner, in dahlia root in mail from France.

Aphelenchoides sp. in dahlia root in cargo from Japan, geranium leaf in baggage from Mexico, oxalis bulb in aircargo from the Netherlands, narcissus plant in baggage from Mexico, and in soil with elephantsear plant, tuberose bulb, and unidentified cutting in baggage from Mexico.

Aphelenchus sp. in dahlia root in mail from France and in narcissus plant and soil with tuberose bulb in baggage from Mexico.

Criconemoides sp. in soil with banana and jasmine plants in baggage from Mexico.

Ditylenchus sp. in narcissus plant in baggage from Mexico.

Helicotylenchus sp. in soil sample and soil with African-violet, banana, cactus, coleus, gardenia, and unidentified cutting and plant in baggage from Mexico.

Heterodera sp., probably *rostochiensis*, in soil with *Haworthia papillosa* plant in baggage from Mexico.

Other members of the genus *Heterodera* were intercepted a total of 91 times from Argentina, Bahamas(?), Belgium, Bermuda, Chile, Colombia, Czechoslovakia, El Salvador, England, France, Germany, Ireland, Italy, Japan, Mexico, Netherlands, Norway, Spain, Sweden, and Yugoslavia. These were taken from a soil sample and soil, in air baggage and baggage, with gladiolus corm, unidentified bulb, and the following plants: Asparagus, begonia, cactus, carnation, Compositae, flamboyant-tree, gerbera, gloxinia, heather, ivy, Ming tree, myrtle, parsley, rosemary, sansevieria, unidentified plant, and walnut seedling; from soil in aircargo and cargo with aircraft engine, automobile, machinery, sun dried adobe brick, tank tracks, and the following plant material: Cape-cowslip bulb, garlic, lily bulb, and onion; from soil in air stores and stores with beet, carrot, celeriac, parsley, potato, turnip, and yam; and from soil in mail with dahlia root, iris rhizome, laurel tree, and rose bush.

Meloidogyne sp., probably *hapla*, in dahlia root in soldier's mail from an unknown origin.

Meloidogyne sp., probably n. sp., in tuberose bulb in cargo from Italy.

Meloidogyne sp. was intercepted 51 times in roots of agapanthus, alumroot, *Andromischus* sp., astilbe, begonia, caladium, calla lily, canna, clematis, Compositae, dahlia, dasheen, delphinium, echeveria, eucharis, freesia, gentian, gerbera, gloxinia, Japanese iris, monkshood, plantain-lily, *Rechsteineria cardinalis*, roundleaf resurrection-lily, rose bush, and unidentified cutting and plant. Countries of origin were Australia, Cuba, England, France, Germany, Greece, Guatemala, India, Israel, Italy, Japan, Mexico, Netherlands, Republic of South Africa, Spain, and Switzerland.

Pratylenchus sp. in dahlia root and Japanese iris rhizome in cargo from Japan, Christmas-rose and primrose roots in cargo from the Netherlands, resurrection-lily root in aircargo from England, and soil with laurel tree in baggage from Mexico.

Psilenchus sp. in soil with laurel tree and spiderwort plant in baggage from Mexico.

Rotylenchulus sp. in soil with unidentified plant in baggage from Jamaica.

Rotylenchus sp. in root of poinsettia plant in stores from Hawaii.

Scutellonema sp. in soil with unidentified plant in baggage from Mexico.

Tylenchorhynchus sp. in aluminum plant in air baggage from Germany and in soil with African-violet, laurel tree, and unidentified plant in baggage from Mexico.

Tylenchus sp. in soil with cactus plant and tuberose bulb in baggage from Mexico.

Xiphinema sp. in soil with unidentified plant in baggage from Mexico.

Summary of Numbers of Interceptions Listed in Main Table

Country	Insect	Disease
Africa:		
Africa (country(?))	2	3
Algeria	2	0
Angola	1	0
British West Africa	1	0
Cameroun	1	0
Canary Islands	1	0
Cape Verde Islands	3	0
Ethiopia	1	0
Federation of Rhodesia and Nyasaland	3	0
Gambia	1	0
Kenya	3	1
Liberia	1	0
Libya	5	0
Madeira Islands	1	0
Morocco	57	0
Mozambique	1	2
Nigeria	5	0
Republic of South Africa	27	35
Republic of the Congo	1	0
Senegal	1	0
Sudan	16	0
Tanganyika	1	0
United Arab Republic	26	0
Asia:		
Asia (country(?))	0	2
Burma	1	0
Ceylon	7	0
China	6	32
Cyprus	4	0
Federation of Malaya	3	0
Formosa	20	12
Hong Kong	11	38
India	83	7
Indonesia	2	0
Iran	4	0
Iraq	1	0
Israel	14	0
Israel(?)	1	0
Japan	603	468
Japan(?)	6	0
Korea	3	2
Kuwait	1	0
Lebanon	12	0
Pakistan	15	2
Singapore	7	1
Thailand	8	3
Turkey	8	0
Vietnam	1	1
Australasia:		
American Samoa	3	1
Australia	12	41
Australia(?)	1	0
Canton Island	1	0
Christmas Island	4	0
Eniwetok	0	1
Fiji	6	2
Fiji(?)	2	0
Guam	6	2
Guam(?)	1	0
Hawaii	482	13
Kwajalein	3	0
Netherlands New Guinea	1	0
New Guinea	1	0
New Zealand	2	2
Norfolk Island	0	8
Okinawa	6	1
Okinawa(?)	2	0
Palmyra Island	1	0
Palmyra Island(?)	1	0
Philippines	38	9
Philippines (?)	3	0
Solomon Islands	1	0
South Pacific	2	0
Southwest Pacific	1	0
Tahiti	8	1
West Pacific	0	1
Europe:		
Austria	2	1
Austria(?)	1	0
Azores	15	0
Europe—Continued		
Belgium	18	8
Bulgaria	2	0
Czechoslovakia	2	0
Denmark	5	3
England	99	28
Finland	1	0
France	96	5
France(?)	2	1
Germany	47	16
Greece	39	0
Hungary	9	0
Ireland	69	2
Italy	332	14
Italy(?)	1	0
Netherlands	59	9
Netherlands(?)	1	0
Northern Ireland	137	0
Norway	8	2
Poland	14	2
Portugal	19	1
Rumania	1	0
Scotland	16	1
Spain	69	5
Sweden	4	2
Switzerland	4	17
Yugoslavia	7	0
North America:		
Bermuda	14	1
Canada	1	5
Central America:		
British Honduras	36	5
Canal Zone	17	3
Costa Rica	25	9
El Salvador	22	0
Guatemala	35	4
Honduras	21	4
Nicaragua	17	3
Panama	25	6
Panama(?)	1	0
Mexico	479	136
West Indies:		
American Virgin Islands	2	0
Anguilla	1	0
Antigua	4	1
Bahamas	16	8
Barbados	3	0
British West Indies	2	0
Cuba	75	1
Curacao	1	0
Dominica	2	0
Dominican Republic	22	2
Grand Cayman	3	0
Haiti	30	4
Jamaica	52	11
Martinique	1	0
Montserrat	1	0
Netherlands West Indies	1	0
Puerto Rico	41	2
Puerto Rico(?)	1	0
St. Kitts	4	0
St. Lucia	3	0
Tortola	1	0
Trinidad	17	6
West Indies (island(?))	2	0
South America:		
Argentina	17	61
Argentina(?)	1	0
Brazil	89	107
Brazil(?)	1	0
British Guiana	5	0
Chile	32	4
Chile(?)	0	1
Colombia	20	2
Ecuador	60	2
Peru	19	18
South America (country(?))	1	0
Surinam	2	1
Uruguay	0	3
Venezuela	10	1
Venezuela(?)	2	0

Summary of Numbers of Interceptions Listed in Main Table—Continued

Country	Insect	Disease	Country	Insect	Disease
Totals:			Totals—Continued		
Africa	161	41	Total incompletely determined pests	2,765	720
Asia	821	568	Total insect interceptions	6,775	
Australasia	588	82	Total disease interceptions		2,033
Europe	1,079	117	Grand total*		8,808
North America	977	211			
South America	259	200			
Unknown	125	94			
Total	4,010	1,313			

* This total represents only pests of known or potential plant quarantine importance or organisms of scientific interest. The total of all interceptions made during the year was 25,575.

NOTE.—Interceptions were also made from Aruba, Bolivia, Guadeloupe, Ivory Coast, Jordan, Midway Islands, St. Martin, Saudi Arabia, and Wake Island.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Acanthoderes circumflexa (DuVal) (Cerambycidae):					
Airplane	Jamaica	-----	1	-----	Fla.
Acanthoscelides obreptus Bridwell (Bruchidae):					
Phaselous lunatus (lima bean)	Peru	-----	1	-----	Calif.*
Acanthothrips coriaceus (Hal.) (Phlaeothripidae):					
Lathyrus odoratus (sweetpea) flower	Sweden	1	-----	-----	N.Y.
Aceria hibisci (Nal.) (Eriophyidae):					
Hibiscus rosa-sinensis (Chinese hibiscus)	American Samoa	-----	1	-----	Hawaii.
Aceria macrorhynchus Nal. (Eriophyidae):					
Acer sp. (maple) leaf	Iran	-----	-----	1	D.C.
Aceria plucheae (Cook) (Eriophyidae):					
Pluchea odorata (leaf)	Haiti	1	-----	-----	Fla.
Aceria tulipae (Keif.) (Eriophyidae):					
Allium cepa (onion)	Ecuador	-----	1	-----	Calif.*
A. sativum (garlic)	Argentina, Venezuela	-----	2	-----	Fla., N.Y.
Achaea janata (L.) (Noctuidae):					
Flowers	Hawaii	1	-----	-----	Hawaii.
Achatina fulica Bowdich (Achatinidae):					
Baggage	do	3	-----	-----	Hawaii.
Mail (shell collection)	do	1	-----	-----	Hawaii.
Stone	Guam	1	-----	-----	Calif.*
Aclerda fraterna (Stal) (Pentatomidae):					
Vitis sp. (grape)	Chile	1	-----	-----	N.Y.
Acrolepia assectella (Zell.) (Hyponomeutidae):					
Allium porrum (leek)	France, Italy, Spain	-----	7	-----	N.Y., Pa.
Acronicta rumicis (L.) (Noctuidae):					
Juniperus chinensis (pyramid Chinese juniper)	Japan	-----	-----	1	Hawaii.
Adoretus sinicus Burm. (Scarabaeidae):					
Alpinia purpurata	Hawaii	1	-----	-----	Hawaii.
Adozophyes orana (F.R.) (Tortricidae):					
Malus sylvestris (apple)	Unknown	-----	1	-----	N.Y.
Prunus persica (peach)	do	1	-----	-----	N.Y.
Rosa hybrid (rose)	Netherlands	-----	-----	1	N.Y.
Aegiale hesperiaris (Wlk.) (Megathymidae):					
Agave americana (century plant)	Mexico	1	-----	-----	Tex.
Aethus indicus (Westw.) (Pentatomidae):					
Airplane	Japan	-----	1	-----	Hawaii.
Aganactesis indecora Dyar (Gallerildae):					
Cassia fistula (goldenshower senna) pod	Jamaica	1	-----	-----	Fla.
Cassia sp.	Dominican Republic	1	-----	-----	N.Y.
Agroiconota propinqua (Boh.) (Chrysomelidae):					
Bromeliad	Mexico	-----	-----	1	Ariz.
Aleurocanthus spiniferus (Q.) (Aleyrodidae):					
Citrus aurantium (sour orange) leaf	Japan	-----	1	-----	Calif.*
Aleurocanthus woglumi Ashby (Aleyrodidae):					
Citrus aurantifolia (lime) leaf	Mexico	1	-----	-----	Tex.
C. sinensis (sweet orange) leaf	Jamaica	-----	1	-----	Fla.
Citrus sp. (leaf)	Mexico, Nicaragua	6	-----	-----	Calif.,* Tex.
Aleuroglandulus emmae Rsl. (Aleyrodidae):					
Psidium guajava (guava) leaf	Mexico	-----	-----	1	Calif.
Aleurolobus marlatti (Q.) (Aleyrodidae):					
Citrus sinensis (sweet orange)	Japan	-----	1	-----	Calif.*
Aleurotrachelus camelliae (Kuw.) (Aleyrodidae):					
Camellia japonica (common camellia) leaf	do	-----	-----	1	D.C.
Aleurotuberculatus aucubae (Kuw.) (Aleyrodidae):					
Citrus aurantium (sour orange)	do	-----	1	-----	Calif.*
C. reticulata (Mandarin orange)	do	-----	1	-----	Calif.*
C. sinensis (sweet orange)	do	-----	3	-----	Calif.,* Hawaii.
Osmanthus fragrans (sweet osmanthus)	do	-----	-----	1	Calif.*
Allozacis spinosus Arnett (Oedemeridae):					
Airplane	Antigua	-----	1	-----	Am. V.I.
Alpheias conspirata Hein. (Gallerildae):					
Ananas comosus (pineapple)	Mexico	3	-----	-----	Tex.
Amitermes foreli Wasmann (Termitidae):					
Dalbergia sp. (rosewood) log	Brazil	1	-----	-----	La.
Amitermes wheeleri (Desn.) (Termitidae):					
Cactus	Mexico	-----	-----	1	Tex.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Anastrepha ludens (Loew) (Tephritidae):					
Annona cherimola (cherimoya)	do	1			Tex.
Citrus aurantifolia (sweet lime)	do	6			Ariz., Tex.
C. aurantium (sour orange)	do	1			Tex.
C. paradisi (grapefruit)	do	8	1		Tex.
C. sinensis (sweet orange)	Guatemala, Mexico	47	18		Ala., Ariz., Calif., Calif.,* Fla., Ga., Ill., La., Tex.
Cydonia oblonga (quince)	Mexico	2			Tex.
Mangifera indica (mango)	Guatemala, Mexico	66			Ariz., Calif., Calif.,*Ill., N.Y., Tex.
Punica granatum (pomegranate)	Mexico	1			Ariz.
Anastrepha mombinpraeoptans Sein (Tephritidae):					
Calocarpum sapota (sapote)	do	1			Tex.
Mangifera indica (mango)	Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Trinidad, West Indies (island(?)).	103	21		Ala., Calif., Calif.,* Fla., Ga., Ill., La., Md.,N.Y., Pa., P.R., Tex.
Spondias mombin (yellow mombin)	El Salvador, Guatemala, Honduras, Nicaragua, Puerto Rico.	14			Calif.,* Fla., P.R.
S. purpurea (purple mombin)	Colombia	1			Fla.
Spondias sp.	Costa Rica	1			Fla.
Terminalia catappa (tropical almond)	American Virgin Islands	1			Fla.
Anastrepha serpentina (Wied.) (Tephritidae):					
Calocarpum sapota (sapote)	Mexico, Nicaragua	2			Calif.*
Chrysophyllum cainito (star-apple)	Nicaragua	1			Calif.*
Siderozylon tempisque (Tempisque jungleplum)	Mexico			1	Tex.
Anastrepha suspensa (Loew) (Tephritidae):					
Airplane	Puerto Rico(?)		1		Fla.
Psidium guajava (guava)	Puerto Rico	1			P.R.
Ancognatha scarabaeoides Er. (Scarabaeidae):					
Airplane	Unknown		1		Fla.
Ancylostomia stercorea (Zell.) (Phycitidae):					
Cajanus cajan (pigeonpea)	Bahamas, British West Indies, Colombia, Dominican Republic, Haiti, Panama, St. Kitts.	19			Am. V.I., Bahamas, Fla., N.Y., P.R., Tex.
Phaseolus vulgaris (bean)	Jamaica, Panama	3			Fla.
Pisum sativum (pea)	Panama, Puerto Rico	2			Calif.,* Ill.
Andrector salvini (Baly) (Chrysomelidae):					
Orchid	Canal Zone			1	Calif.*
Anoplotermes ater (Hagen) (Termitidae):					
Wood (crate for monkey)	Colombia	1			Fla.
Antonina graminis (Mask.) (Coccidae):					
Digitaria decumbens (pangolagrass)	Hawaii	1			Hawaii.
Anuraphis apiifoliae (Theob.)(?)(Aphidae):					
Foeniculum vulgare (common fennel)	Italy		1		Pa.
Petroselinum crispum (parsley)	Bermuda	1			N.Y.
Anuraphis cardui (L.) (Aphidae):					
Cynara scolymus (artichoke)	Italy	2	1		N.Y., Tex.
Flowers	Sweden		1		Mass.
Aonidiella citrina Coq. (Coccidae):					
Citrus limon (lemon)	Israel		1		Mich.
C. paradisi (grapefruit)	Japan		1		Hawaii.
C. sinensis (sweet orange)	Australia		1		Hawaii.
C. sinensis x *Poncirus trifoliata* (citrange)	Argentina			1	D.C.
Citrus sp.	Japan, Lebanon		1	1	N.J., Hawaii
Aonidiella comperei McKenzie (Coccidae):					
Jasminum sp. (jasmine)	Cuba	1		1	Fla.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Aonidiella inornata McKenzie (Coccidae):					
Mangifera indica (mango)	Philippines	1			Hawaii.
Aphis callunae Theob. (Aphidae):					
Calluna vulgaris (heather)	Germany, Norway, Scotland.	3		1	N.Y.
Apion carduorum Kirby (Curculionidae):					
Cynara scolymus (artichoke)	Italy	1			N.Y.
Ardis sulcata (Cam.) (Tenthredinidae):					
Rosa hybrid	do			1	N.Y.
Arge ochropa (Gmel.) (Argidae):					
Dianthus caryophyllus (carnation)	Germany	1			N.Y.
Argyresthia conjugella (Zell.)(Hyponomeutidae):					
Malus sylvestris (apple)	Norway, Poland	1	1		Ill., N.Y.
Arphnus melanotylus Ashlock (Lygaeidae):					
Bromeliad	Mexico			2	Tex.
Ascia monuste (L.) (Pieridae):					
Baggage (with dog crate)	Cuba	1			Fla.
Aspidiotus degeneratus (Leon) (Coccidae):					
Camellia sp. (leaf)	Japan			2	D.C., Hawaii.
Vaccinium bracteatum (oriental blueberry)	do			1	D.C.
Aspidiotus destructor Sign. (Coccidae):					
Annona squamosa (sugar-apple)	Cuba	1			Fla.
Citrus sinensis (sweet orange)	do	1			Fla.
Cocos nucifera (coconut)	Bahamas, Costa Rica, Honduras, Mexico, Panama, Philippines.	6	5	1	Calif.,* Fla., Tex.
Kentia sp. (palm)	Philippines		1		Calif.*
Nerium oleander (oleander)	Bahamas		1		Fla.
Palm (seed coat)	Cuba			1	Fla.
Pandanus amaryllifolius (screwpine)	Indonesia			1	D.C.
Rosa hybrid (rose) leaf	Tortola			1	Am. V.I.
Aspidiotus excisus Green (Coccidae):					
Cocos nucifera (coconut)	Philippines		1		Calif.*
Aspidiotus herculeanus Ckll. & Hadden (Coccidae):					
Macadamia sp. (bark)	Australia			1	Calif.*
Aspidiotus mendax (McKenzie) (Coccidae):					
Orchid (leaf)	Guatemala			1	Fla.
Aspidiotus palmae Ckll. (Coccidae):					
Citrus sinensis (sweet orange)	Costa Rica		1		Calif.*
Cocos nucifera (coconut) cap and stem	Costa Rica, Mexico	1	1		Calif.*
Kentia sp. (palm) leaf	Philippines		1		Calif.*
Orchid (leaf)	Guatemala			1	Fla.
Aspidiotus pangoensis Doane & Ferris (Coccidae):					
Cocos nucifera (coconut)	American Samoa	1			Hawaii.
Aspidiotus pyri Licht. (Coccidae):					
Platanus orientalis (oriental planetree)	Greece			1	D.C.
Aspidiotus zonatus Frfld. (Coccidae):					
Quercus pontica (Pontic oak)	Netherlands			1	D.C.
Asterobemisia carpini (Koch) (Aleyrodidae):					
Rubus sp. (leaf)	France		4		Mass., Wash.
Asterolecanium bambusae (Bdv.) (Coccidae):					
Bambusa multiplex	Puerto Rico			2	D.C.
Asterolecanium epidendri (Bouché) (Coccidae):					
Bifrenaria aureofulva (hardy terrestrial orchid) leaf.	Brazil			1	Fla.
Broughtonia sp. (orchid) leaf	Jamaica			1	Fla.
Catasetum barbatum (orchid) leaf	Brazil			1	N.J.
Cattleya sp. (orchid) leaf	do			1	Fla.
Epidendrum ciliare (orchid) leaf	Costa Rica			1	Calif.*
Epidendrum sp. (leaf)	Cuba			1	Fla.
Orchid (leaf)	Brazil, Germany, Jamaica.			5	Fla., N.Y.
Peristeria pendula (orchid) leaf	British Guiana			1	N.Y.
Asterolecanium inlabefactum Rsl. (Coccidae):					
Chamaedorea oblongata (palm) leaf	Mexico	1			Tex.
Asterolecanium miliaris robustum Green (Coccidae):					
Bamboo (leaf)	do	1			Ariz.
Asterolecanium simile Rsl. (Coccidae):					
Palm	Jamaica	1			Fla.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Athalia colibri (Christ) (Tenthredinidae):					
Lactuca sativa (lettuce)	France		1		N.Y.
Augocoris illustris (F.) (Pentatomidae):					
Quarters	Cuba		1		Fla.
Aulacaspis cravii (Ckll.) (Coccidae):					
Murraya paniculata (orange-jasmine)	Hawaii	1			Hawaii.
Aulacaspis tubercularis Newst. (Coccidae):					
Mangifera indica (mango)	El Salvador, Honduras, Philippines, Venezuela.	7	1	1	Calif.,* Fla., Hawaii, P.R.
Aulacoscelis melanocera Dup. & Chevr. (Chrysomelidae):					
Cactus	Mexico			1	Tex.
Automolis ataenia Schaus (Arctiidae):					
Musa paradisiaca (plantain)	Guatemala	1			La.
Auximobasis coffeaella Busck (Blastobasidae):					
Coffea arabica (Arabian coffee) berry	Costa Rica	1			Fla.
Azochis gripusalis Wlk. (Pyraustidae):					
Ficus carica (fig) stem	Brazil			1	P.R.
Batrachedra linaria Clarke (Cosmopterygidae):					
Agave sp.	Mexico			2	Calif.
Bemisia citricola Gomez-Menor (Aleyrodidae):					
Citrus sinensis (sweet orange) leaf	France	1			Ohio.
Bemisia tabaci (Genn.) (Aleyrodidae):					
Cananga odorata (ylangylang)	Singapore			1	Hawaii.
Bephrata maculicollis Cam. (Eurytomidae):					
Annona muricata (soursop) seed	Colombia	1			Fla.
Blastobasis inana (Btlr.) (Blastobasidae):					
Cocos nucifera (coconut)	Hawaii	1			Hawaii.
Blissus diplopterus Dist. (Lygaeidae):					
Hakea sp. (seed)	Republic of South Africa.			1	D.C.
Bostrychoplites cornutus (Ol.) (Bostrichidae):					
Wood (carving)	do	1			Tex.
Brachycerus algirus (F.) (Curculionidae):					
Allium sativum (garlic)	Spain	1			P.R.
Bradybaena similaris (Fer.) (Bradybaenidae):					
Alpinia purpurata	Hawaii			1	Hawaii.
Anthurium sp.	do	1			Hawaii.
Cordyline terminalis (tl)	do			1	Calif.*
Flowers	do	1			Hawaii.
Heliconia sp.	do	1			Hawaii.
Ipomoea batatas (sweetpotato)	do	1			Hawaii.
Orchid	do	1			Hawaii.
Soil with *Asparagus* sp.	Bermuda			1	Mass.
Vanda 'Miss Joaquim' (orchid)	Hawaii	3			Hawaii.
Vanda sp.	do	2			Hawaii.
Bradysia carbonaria (Meig.) (Sciaridae):					
Automobile	Ireland	1			Pa.
Brevipalpus chilensis Baker (Tenuipalpidae):					
Citrus limon (lemon)	Chile		2		Fla.
Phragmites sp. (reed) straw jacket	do	1			Fla.
Vitis sp. (grape)	do	2			Fla., N.Y.
Brevipalpus obovatus Donn. (Tenuipalpidae):					
Citrus limon (lemon)	Italy (?), Spain	2			N.Y.
C. reticulata (Mandarin orange)	Argentina		1		N.Y.
Fuchsia sp.	New Zealand			1	Hawaii.
Lippia sp.	Argentina			1	Fla.
Mentha sp. (mint)	Mexico	1			Tex.
Rhododendron sp. (azalea)	Japan			1	Hawaii.
Ruta graveolens (common rue)	Mexico			1	Calif.
Brevipalpus phoenicis (Geljskes) (Tenuipalpidae):					
Annona muricata (soursop)	Haiti	1			Fla.
Citrus paradisi (grapefruit)	Colombia	1			Fla.
C. reticulata (Mandarin orange)	Argentina, Brazil		2		Fla., N.Y.
C. sinensis (sweet orange)	Argentina, Brazil, Colombia.	5	2		Fla., N.Y.
Coffea sp. (coffee) leaf	Brazil	1			Tex.
Ixora sp. (flower)	Tahiti	1			Hawaii.
Tecomaria capensis (Cape honeysuckle)	Hawaii	1			Hawaii.
Wood (twig—unidentified)	Spain		1		Fla.
Bruchus affinis Froel. (Bruchidae):					
Lathyrus odoratus (sweetpea) seed	Netherlands			1	N.J.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Bruchus emarginatus Allard (Bruchidae):					
Lathyrus latifolius (perennial pea) seed	France	-----	-----	1	Calif.*
Bruchus ervi Froel. (Bruchidae):					
Lens culinaris (lentil)	Greece, Iran, Italy, Lebanon.	12	-----	1	D.C., Mass., N.Y.
Pisum sativum (pea)	Italy	1	-----	-----	N.Y.
Bruchus guttalis Rey (Bruchidae):					
Straw (jacket)	Haiti	1	-----	-----	Fla.
Vicia sativa (vetch) seed and straw jacket	Portugal	5	-----	-----	N.J., S.C.
Bruchus lentis Froel. (Bruchidae):					
Lens culinaris (lentil)	Germany, Greece, Italy, Spain.	6	9	-----	Mass., Mich. N.Y., N.C., Pa., S.C., Tex.
Bruchus signaticornis Gyll. (Bruchidae):					
Lens culinaris (lentil)	France, Italy, Spain	14	1	-----	Mass., N.Y.
Bruchus tristiculus Fahr. (Bruchidae):					
Cicer arietinum (chickpea)	Azores	1	-----	-----	Mass.
Lathyrus sp. (seed)	Belgium	-----	-----	1	Mich.
Bruchus tristis Boh. (Bruchidae):					
Lathyrus sativus (grass pea)	Italy	6	-----	-----	N.J., N.Y.
Lupinus albus (white lupine) seed	do	1	-----	-----	N.Y.
Pisum sativum (pea)	Greece	-----	1	-----	La.
Vicia faba (broadbean)	Italy	1	-----	-----	N.Y.
Bryobia chari Pritchard & Kelfer (Tetranychidae):					
Chrysanthemum morifolium	Japan	2	-----	-----	Hawaii.
Cacaecimorpha pronubana (Hbn.) (Tortricidae):					
Punica granatum (pomegranate)	Italy	2	-----	-----	N.Y.
Sechium edule (chayote)	do	1	-----	-----	N.Y.
Calameuta idolon (Rossi) (Cephidae):					
Oryza sativa (rice) straw packing	Greece	1	-----	-----	N.Y.
Callidium rufipenne Motsch. (Cerambycidae):					
Baggage	Japan	1	-----	-----	Hawaii.
Cryptomeria sp. (crate)	do	1	-----	-----	Hawaii.
Cupressus sp. (cypress)	do	-----	1	-----	Fla.
Packing (cellulose paper)	do	1	-----	-----	N.Y.
Paeonia suffruticosa (tree peony)	do	-----	-----	2	N.J.
Pinus sp. (pine)	do	-----	1	-----	Fla.
Callidium violaceum (L.) (Cerambycidae):					
Wood (crate)	Spain	1	-----	-----	Va.
Callipogon armillatum (L.) (Cerambycidae):					
Airplane	Unknown	-----	1	-----	Fla.
Callosobruchus ademptus (Sharp) (Bruchidae):					
Pueraria lobata (seed)	Korea	-----	-----	1	N.J.
Callosobruchus analis (F.) (Bruchidae):					
Cajanus cajan (pigeonpea)	India	-----	1	-----	Tex.
Stores (flour and sugar)	do	-----	1	-----	La.
Vicia faba (broadbean)	Burma	1	-----	-----	Hawaii.
Callosobruchus rhodesianus (Pic) (Bruchidae):					
Lens culinaris (lentil)	Unknown	-----	1	-----	N.Y.
Phaseolus vulgaris (bean)	do	-----	1	-----	N.Y.
Vigna sinensis (common cowpea)	Republic of the Congo	-----	-----	1	D.C.
Calyptocephala marginipennis Boh. (Chrysomelidae):					
Chamaedorea oblongata (palm) leaf	Mexico	1	-----	-----	Tex.
Camirus moestus (Stal) (Pentatomidae):					
Cactus	do	-----	-----	1	Tex.
Carposina niponensis Wlsm. (Carposinidae):					
Malus sylvestris (apple)	Japan	-----	1	-----	N.C.
Caryedon gonagra (F.) (Bruchidae):					
Arachis hypogaea (peanut)	Nigeria	-----	1	-----	Ohio.
Cassia fistula (goldenshower senna) pod	Hawaii	4	-----	1	Hawaii.
C. nodosa (jointwood senna)	do	-----	-----	1	Hawaii.
C. tora (sickle senna)	Kenya	1	-----	-----	N.J.
Cassia sp. (pod)	Hawaii	-----	-----	1	Hawaii.
Dialium guineense (velvet-tamarind) pod	Cape Verde Islands	2	-----	-----	N.Y.
Seed—unidentified	Hawaii	2	-----	-----	Hawaii.
Tamarindus indica (tamarind) pod	Cape Verde Islands, Curacao, Japan(?), Mexico, Philippines, Portugal.	5	-----	1	Hawaii, N.Y., Tex., Wash.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Cassida circumdata Hbst. (Chrysomelidae):					
Airplane	South Pacific	-----	1	-----	Hawaii.
Cecilioides acicula (Müller) (Achatinidae):					
Fragaria sp. (strawberry) plant	Switzerland	-----	-----	1	Calif.*
Orchid (plant)	Canal Zone	-----	-----	1	Fla.
Soil	Czechoslovakia, Mexico	1	1	-----	Mich., Tex.
Centrotus cornutus (L.) (Membracidae):					
Rosa hybrid (rose) leaf	France	1	-----	-----	N.Y.
Cepaea hortensis (Müller) (?) (Helicidae):					
Tropaeolum sp. (nasturtium) seed	Netherlands	-----	-----	1	Pa.
Cephaloleia pretiosa Baly (Chrysomelidae):					
Dracaena sp. (leaf)	Panama	1	-----	-----	Fla.
Ceramidia viridis (Druce) (Amatidae):					
Musa paradisiaca var. *sapientum* (banana)	Ecuador	4	-----	-----	Fla., La., N.Y.
Ceratitis capitata (Wied.) (Tephritidae):					
Airplane	Hawaii	-----	1	-----	Hawaii.
Asimina sp. (pawpaw)	Portugal	1	-----	-----	N.Y.
Citrus limon (lemon)	Lebanon	1	-----	-----	N.Y.
C. paradisi (grapefruit)	Turkey, United Arab Republic.	1	1	-----	Ga., N.Y.
C. reticulata (Mandarin orange)	Greece, Italy, Portugal, Spain, unknown.	19	----- 12	----- -----	Calif.,* Md., Mass., N.Y., Pa.
C. sinensis (sweet orange)	Argentina, Brazil, Greece, Italy, Portugal, Spain, unknown.	12	12	-----	Ala., Calif.,* Fla., La., Md., N.Y. Md.,N.Y., P.R., S.C., Tex.
Coffea arabica (Arabian coffee)	Costa Rica, Hawaii	63	-----	-----	Calif.,* Fla., Hawaii.
Coffea sp.	Brazil, Costa Rica, Hawaii.	11	-----	-----	Calif.,* Fla., Hawaii, N.Y.,P.R. Tex.
Cydonia oblonga (quince)	Greece, Israel	2	-----	1	N.Y.
Eriobotrya japonica (loquat)	Azores, Iran, Italy	3	-----	-----	Mass., N.Y.
Ficus carica (fig)	Azores, Cyprus, Greece, Italy.	7	1	-----	N.Y., Pa.
Malus sylvestris (apple)	Italy, unknown	1	1	-----	N.Y., P.R.
Mangifera indica (mango)	Hawaii	1	-----	-----	Hawaii.
Opuntia humifusa (common pricklypear)	Italy	10	-----	-----	N.Y., Pa.
Opuntia sp.	Greece, Italy	10	-----	-----	N.Y.
Prunus armeniaca (apricot)	Portugal, Republic of South Africa.	1	1	-----	N.Y.
P. persica (peach)	Italy, Peru, Portugal, Spain, unknown.	4	5	-----	Fla., Mass., N.Y.,P.R.
Prunus sp. (cherry)	Lebanon	1	-----	-----	N.Y.
Psidium guajava (guava)	Azores, Hawaii	2	-----	-----	Mass., Hawaii.
Punica granatum (pomegranate)	Greece	1	-----	-----	Ohio.
Pyrus communis (pear)	Israel, Italy	3	-----	-----	Calif.,* N.Y.
Solanum aculeatissimum (soda-apple nightshade).	Hawaii	1	-----	-----	Hawaii.
Terminalia catappa (tropical almond)	do	2	-----	-----	Hawaii.
Vitis sp. (grape)	Spain	-----	1	-----	P.R.
Zizyphus sp. (jujube)	Italy	1	-----	-----	N.Y.
Ceratitis capitata (Wied.) (?) (Tephritidae):					
Capsicum annuum (pepper)	Hawaii	2	-----	-----	Hawaii.
Citrus sinensis (sweet orange)	Italy, Spain	-----	2	-----	Mass.. P.R.
Coffea arabica (Arabian coffee)	Hawaii	8	-----	-----	Hawaii.
Coffea sp.	do	3	-----	-----	Hawaii.
Ficus sp. (fig)	Italy	1	-----	-----	Mich.
Musa sp.	Hawaii	1	-----	-----	Hawaii.
Punica granatum (pomegranate)	Greece	1	-----	-----	N.Y.
Terminalia catappa (tropical almond)	Hawaii	2	-----	-----	Hawaii.
Ceratitis colae Silv. (?) (Tephritidae):					
Cola acuminata (Sudan colanut)	Nigeria	1	-----	-----	N.Y.
Cerconota anonella (Sepp) (Stenomidae):					
Annona muricata (soursop)	Colombia, Jamaica, Venezuela.	3	1	-----	Fla., Md.
Annona sp.	Brazil(?)	-----	1	-----	N.Y.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Ceresium unicolor (F.) (Cerambycidae):					
Gossypium sp. (seed cotton)	Hawaii	1	-----	-----	Hawaii.
Ceronema japonica Mask. (Coccidae):					
Camellia japonica (common camellia)	Japan	-----	-----	1	D.C.
Ceroplastes rubens Mask. (Coccidae):					
Alyxia olivaeformis (maile alyxia)	Hawaii	2	-----	-----	Calif.,* Hawaii.
Anthurium sp.	do	-----	-----	1	Hawaii.
Ceroplastes rusci (L.) (Coccidae):					
Ficus carica (fig)	Italy	1	-----	2	Calif.,* N.Y.
Ceutorhynchus erysimi (F.) (Curculionidae):					
Plant—unidentified	Netherlands	-----	-----	1	N.J.
Charidotis seminulum (Boh.) (Chrysomelidae):					
Chamaedorea oblongata (palm) leaf	Mexico	1	-----	-----	Tex.
Chilo loftini Dyar (Crambidae):					
Saccharum officinarum (sugarcane)	do	76	-----	-----	Ariz., Calif.
Chilo suppressalis (Wlk.) (Crambidae):					
Oryza sativa (rice) straw	Formosa, Japan, Spain, unknown.	10	6	-----	Calif.,* Fla., Hawaii, N.Y., Tex.
"Chionaspis" leucadendri Brain (Coccidae):					
Protea sp. (leaf)	Republic of South Africa.	1	-----	-----	Mass.
Chionaspis wistariae Cooley (Coccidae):					
Wisteria sp.	Japan	-----	-----	1	Wash.
Chirothrips meridionalis Bgn. (Thripidae):					
Zinnia sp. (cut flower)	Israel	1	-----	-----	N.Y.
Chrysogramma octomaculata Jac. (Chrysomelidae):					
Orchid (plant)	Guatemala	-----	-----	1	Fla.
Chrysomphalus agavis (Towns. & Ckll.) (Coccidae):					
Agave sp.	Mexico	-----	-----	2	Tex.
Chrysomphalus albopictus (Ckll.) (Coccidae):					
Cocos nucifera (coconut) stem and cap	Costa Rica	-----	1	-----	Calif.*
Persea americana (avocado) leaf	Mexico	1	-----	-----	Tex.
Chrysomphalus calurus (Ckll.) (Coccidae):					
Spondias mombin (yellow mombin)	Nicaragua	1	-----	-----	Calif.*
Chrysomphalus inopinatus (Leon) (Coccidae):					
Acer syriacum (Syrian maple) seed	Israel	-----	-----	1	D.C.
Pistacia sp. (pistache)	Greece, Lebanon	2	-----	-----	Mass.
Chrysomphalus odontoglossi (Ckll.) (Coccidae):					
Calocarpum sapota (sapote)	Panama	-----	1	-----	Calif.*
Chrysomphalus opimus Silv. (tentative) (Coccidae):					
Orchid (leaf)	Kenya	-----	-----	1	N.Y.
Chrysomphalus personatus (Comst.) (Coccidae):					
Brosimum sp. (breadnut tree)	Mexico	1	-----	-----	Ariz.
Calocarpum sapota (sapote) leaf	do	1	-----	-----	Tex.
Citrus aurantifolia (lime)	do	-----	1	-----	Calif.*
C. sinensis (sweet orange)	Brazil, unknown	-----	11	-----	Calif.,* Fla., N.Y.
Mangifera indica (mango)	El Salvador, Mexico, Nicaragua.	5	-----	-----	Calif.,* Tex.
Persea americana (avocado)	Mexico	2	-----	-----	Tex.
Vriesia sp.	France	-----	-----	1	N.J.
Chrysomphalus sphaerioides (Ckll.) (Coccidae):					
Palm (leaf)	Mexico	1	-----	-----	Calif.*
Chrysomphalus tenax (McKenzie) (Coccidae):					
Philodendron sp.	do	-----	-----	1	Tex.
Chrysomphalus umboniferus (Newst.) (Coccidae):					
Anthurium sp. (leaf)	Colombia	-----	-----	1	Fla.
Bromeliad (leaf)	Brazil, Guatemala	-----	-----	2	Fla.
Epidendrum sp. (orchid) leaf	El Salvador	-----	-----	1	Fla.
Orchid (leaf)	British Honduras, Canal Zone, El Salvador, Guatemala, Panama.	-----	-----	7	Calif.,* Fla.
Schomburgkia sp. (orchid) leaf	Mexico	-----	-----	1	Tex.
Cladius pectinicornis (Fourc.) (Tenthredinidae):					
Rosa hybrid (rose) cut flower	England, France, Germany.	5	-----	-----	Ill., N.Y.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Clanis phalaris (Cramer) (Sphingidae):					
Airplane	Japan		1		Hawaii.
Clerada apicicornis Sign. (Lygaeidae):					
Bromeliad (plant)	Peru			1	Fla.
Cocconotus degeeri (Stal) (Tettigoniidae):					
Orchid (plant)	Canal Zone			1	Fla.
Coccotrypes carpophagus (Horng.) (Scolytidae):					
Palm (seed)	Brazil	1			La.
Coccus alpinus DeLotto (Coccidae):					
Coffea sp. (coffee)	do	1			Fla.
Coccus viridis (Green) (Coccidae):					
Citrus sp. (twig)	Madeira Islands			1	Fla.
Coffea arabica (Arabian coffee)	Hawaii	3			Hawaii.
Coffea sp.	Brazil, Cuba, Hawaii	2		1	Calif.,* Hawaii, N.Y.
Gardenia jasminoides	Cuba, Hawaii	21			Calif.,* Fla., Hawaii.
G. taitensis	Hawaii	2			Calif.*
Gardenia sp.	Cuba, Hawaii	1	1	2	Calif.,* Fla.
Ixora sp.	Hawaii	1			Hawaii.
Jasminum sp. (jasmine)	Barbados			1	N.Y.
Litchi chinensis (lychee)	Hawaii	1			Hawaii.
Pelargonium zonale (horseshoe geranium)	St. Kitts			1	Am.V.I.
Psidium guajava (guava) leaf	Cuba	1			Fla.
Schinus terebinthifolia (Brazil peppertree)	Hawaii	1			Hawaii.
Cochlicella barbara (L.) (Helicellidae):					
Military cargo	France, Morocco, Spain, Turkey.	25			La., N.Y., N.C., S.C. Va.
Soil	Italy	1			N.Y.
Cochlicella conoidea (Drap.) (Helicellidae):					
Military cargo	Spain	2			N.Y., Va.
Cochlicella ventrosa (Fer.) (Helicellidae):					
Military cargo	Azores, Bermuda, Italy, Morocco, unknown.	10			La., N.Y., S.C., Va.
Conchaspis orchidarum Mamet (Coccidae):					
Epidendrum sp. (orchid)	Canal Zone			1	Fla.
Conoderus rufangulus (Gyll.) (Elateridae):					
Vitis sp. (grape)	Chile	6			N.Y.
Conotelus mexicanus Murr. (Nitidulidae):					
Chrysanthemum sp.	Mexico	5			Tex.
Lactuca sativa (lettuce)	do	1			Tex.
Medicago sativa (alfalfa)	do	1			Tex.
Nerium oleander (oleander)	Bermuda			1	Va.
Portulaca oleracea (purslane)	Mexico	2			Tex.
Plumeria rubra (Mexican frangipani)	Hawaii	3			Hawaii.
Vanda 'Miss Joaquim' (orchid)	do	3			Hawaii.
Coptotermes crassus Snyder (Rhinotermitidae):					
Pinus sp. (pine) stump	Honduras	1			La.
Coptotermes niger Snyder (Rhinotermitidae):					
Dalbergia sp. (rosewood) log	Brazil	1			La.
Virola sp. (log)	Costa Rica	1			La.
Coptotermes testaceus (L.) (Rhinotermitidae):					
Dalbergia sp. (rosewood) log	Brazil	1			La.
Corimelaena palmeri (McA. & Mall.) (Pentatomidae):					
Orchid (plant)	Costa Rica			1	Tex.
Corythucha mcelfreshi Drake (Tingidae):					
Pelargonium sp. (geranium)	Mexico			1	Tex.
Cosmopolites sordidus (Germ.) (Curculionidae):					
Musa acuminata (rhizome)	Philippines			1	D.C.
Musa sp. (rhizome)	Netherlands New Guinea, New Guinea.			2	D.C.
Cryptoblabes gnidiella (Mill.) (Phycitidae):					
Bamboo	Italy			1	N.Y.
Celosia sp. (cockscomb) cut flower	Greece	1			N.Y.
Citrus limon (lemon)	Spain		1		Fla.
C. sinensis (sweet orange)	Italy, Spain	1	2		N.Y., P.R.
Nerium oleander (oleander)	Bermuda			1	Va.
Punica granatum (pomegranate)	Israel, Italy	11			N.Y.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Cryptophlebia illepida (Btlr.) (Olethreutidae):					
Litchi chinensis (lychee)	Hawaii	2			Hawaii.
Macadamia ternifolia (nut)	do	1			Hawaii.
Cryptophlebia ombrodelta (Lower) (Olethreutidae):					
Litchi chinensis (lychee) nut	do	1			Hawaii.
Pithecellobium dulce	do	1			Hawaii.
Samanea saman (raintree saman)	do	1			Hawaii.
Tamarindus indica (tamarind) pod	Philippines	1			Wash.
Cryptotermes brevis (Wlk.) (Kalotermitidae):					
Flowers	Hawaii	1			Hawaii.
Mail (food parcel)	Japan	1			Hawaii.
Cryptothelea minuscula (Btlr.) (Psychidae):					
Military cargo	Vietnam	1			Va.
Cylas formicarius (F.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Hong Kong, Thailand	3			Hawaiil
Cylas formicarius elegantulus (Summers) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Cuba, Dominican Republic, Hong Kong, Netherlands West Indies, Philippines, Puerto Rico.	6	4		Ala., Am. V.I., Calif.,* Fla., Hawaii, La., Pa., P.R.
Cylas formicarius formicarius (F.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Hong Kong	2			Hawaii.
Cyrtomenus bergi Froeschner (Pentatomidae):					
Bromeliad	Colombia			1	Fla.
Dactylotrypes wyttenbooqaarti Egg. (Scolytidae):					
Chamaerops humilis (Mediterranean palm) seed.	Canary Islands, Spain			2	N.J.
Dacus cucurbitae (Coq.) (Tephritidae):					
Cucumis sativus (cucumber)	Hawaii		1		Calif.*
Cucurbita pepo (zucchini squash)	do		1		Calif.*
Lycopersicon esculentum (tomato)	do		3		Calif.*
Dacus cucurbitae (Coq.) (?) (Tephritidae):					
Cucumis sativus (cucumber)	do		2		Calif.,* Hawaii.
Dacus dorsalis Hend. (Tephritidae):					
Calophyllum inophyllum (Indiapoon beauty-leaf) fruit.	do	1			Hawaii.
Eugenia uniflora (pitanga)	do	1			Hawaii.
Litchi chinensis (lychee)	do	1			Calif.
Mail package	do	1			Hawaii.
Mangifera indica (mango)	Guam, Hawaii	7	2		Calif.*
Musa paradisiaca var. *sapientum* (banana)	Fiji (?), Hawaii	2	1		Calif.*
Ochrosia elliptica	Hawaii	1			Calif.*
Pithecellobium dulce (guamachil apesearring)	do	1			Hawaii.
Terminalia catappa (tropical almond)	do	4			Calif.,* Hawaii.
Dacus dorsalis Hend. (?) (Tephritidae):					
Areca cathecu (betel palm) nut	do	1			Hawaii.
Cordyline terminalis (ti) berry	do	1			Hawaii.
Mangifera indica (mango)	do	2			Calif.,* Hawaii.
Psidium guajava (guava)	do	3			Hawaii.
Sesbania grandiflora (agati sesbania)	do	1			Hawaii.
Terminalia catappa (tropical almond)	do	4			Hawaii.
Dacus oleae (Gmel.) (Tephritidae):					
Baggage	Italy	2			N.Y.
Olea europaea (olive)	Austria (?), Cyprus, Greece, Italy, Lebanon, unknown.	54	1		Mass., Hawaii, N.J., N.Y.
Dacus oleae (Gmel.) (?) (Tephritidae):					
Olea europaea (olive)	do	1			Mass.
Dallasiellus orchidiphilus Froeschner (Pentatomidae):					
Bromeliad	Peru			2	Fla.
Dasyneura inclusa (Frfld.) (Cecidomyiidae):					
Phragmites sp. (reed) cane	Germany	1			Oreg.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nomentry	Propagation	
Deloyala guttata (Ol.) (Chrysomelidae):					
Chamaedorea elegans (palm) leaf	Mexico	1			Tex.
C. oblongata (leaf)	do	1			Tex.
Chamaedorea sp. (leaf)	do	1			Tex.
Orchid	do			2	Tex.
Dialeurodes chittendeni Laing (Aleyrodidae):					
Rhododendron catawbiense (leaf)	Netherlands			1	N. J.
Rhododendron sp. (leaf)	do			6	N.Y.
Dialeurodes citrifolii (Morg.) (Aleyrodidae):					
Citrus sp. (leaf)	Cuba	1			Fla.
Dialeurodes kirkaldyi (Kot.) (Aleyrodidae):					
Gardenia sp.	Tahiti	1			Hawaii.
Jasminum sambac (Arabian jasmine)	Hawaii	1			Hawaii.
Jasminum sp.	Philippines			1	Hawaii.
Plumeria sp.	Hawaii			1	Hawaii.
Dialeurodes tristylii Takah. (Aleyrodidae):					
Ilex integra (leaf)	Japan		2		Calif.*
Diaphone eumela (Stoll) (Noctuidae):					
Ornithogalum sp. (chinkerichee)	Republic of South Africa.	1			N.J.
Diaspis juniperi (Bche.) (Coccidae):					
Chamaecyparis lawsoniana 'Gimbornii'	Netherlands			1	D.C.
Diaspis minima Targ. (Coccidae):					
Juniperus sp.	Italy			1	N.Y.
Diaspis zamiae Morg. (Coccidae):					
Cycad	Australia			1	Fla.
Encephalartos sp. (cycad)	Republic of South Africa.			1	N.J.
Fruit—unidentified	do			1	N.J.
Strelitzia sp. (leaf)	France, Italy	2			N.Y.
Dichocrocis punctiferalis (Guen.) (Pyraustidae):					
Nephelium lappaceum (rambutan)	Federation of Malaya	1			Hawaii.
Pinus parviflora (Japanese white pine)	Japan			1	Wash.
Dicyphus annulatus (Wolff) (Miridae):					
Lactuca sativa (lettuce)	Italy	1			N.Y.
Dinoderus brevis Horn (Bostrichidae):					
Bamboo	India	1			Ala.
Borassus flabellifer (palmyra)	do	1			Wis.
Diocalandra taitensis (Guer.) (Curculionidae):					
Cocos nucifera (coconut)	Hawaii	2			Calif.*
Diorymerellus laevimargo Champ. (Curculionidae):					
Orchid	Mexico			1	Tex.
Diploptera punctata (Esch.) (Diplopteridae):					
Plant material	Hawaii			1	Hawaii.
Doru albipes (F.) (Forficulidae):					
Orchid	Puerto Rico			1	P.R.
Drasterius bimaculatus (Rossi) (Elateridae):					
Ficus carica (fig) tree	Italy			1	P.R.
Dysdercus andreae (L.) (Pyrrhocoridae):					
Orchid	Grand Cayman			1	Fla.
Dysdercus bidentatus Hussey (Pyrrhocoridae):					
Cargo	Ecuador	1			Fla.
Dysdercus mimus (Say) (Pyrrhocoridae):					
Bromeliad	Costa Rica			1	Fla.
Cargo	Ecuador	1			Calif.*
Cucumis sativus (cucumber)	Honduras	1			Fla.
Dysdercus ruficollis (L.) (Pyrrhocoridae):					
Cargo	Ecuador	1			Tex.
Dysdercus suturellus (Herrich-Schaeffer)(?) (Pyrrhocoridae):					
Cucumis sativus (cucumber)	Honduras	1			Fla.
Dyspessa ulula (Bkh.) (Cossidae):					
Allium sativum (garlic)	Italy, Spain, Yugoslavia.	3	1		La., N.Y., P.R.
Earias cupreoviridis (Wlk.) (Noctuidae):					
Hibiscus esculentus (okra)	British West Africa		1		Tex.
Ecpantheria eridanus (Cram.) (Arctiidae):					
Brassica oleracea var. *capitata* (cabbage)	Panama		1		N.Y.
Ecpantheria icasia (Cram.) (Arctiidae):					
Allium cepa (onion)	Haiti	1			Fla.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Ectomyelois ceratoniae (Zell.) (Phycitidae):					
Barringtonia sp. (pod)	Hawaii	1			Hawaii.
Cassia fistula (goldenshower senna)	do	1			Hawaii.
Citrus sinensis (sweet orange)	Africa (country(?)), Italy, Portugal.		3		Calif.,* N.J., P.R.
Coffea arabica (Arabian coffee)	Hawaii	1			Hawaii.
Cydonia oblonga (quince)	Greece, Italy	2			N.Y.
Juglans regia (English walnut)	Italy	4			N.Y.
Prunus amygdalus (almond)	Greece, Italy	4			N.Y.
Punica granatum (pomegranate)	Greece, Israel, Italy, Turkey.	11	1		N.Y., S.C.
Seed—assorted	Hawaii	1			Hawaii.
Tamarindus indica (tamarind) pod	Jamaica, Montserrat, Philippines, Puerto Rico.	3		1	Fla., Wash.
Ectomyelois muriscis (Dyar) (Phycitidae):					
Cassia sp. (senna) seed pod	Mexico			1	Tex.
Enterolobium sp. (earpodtree) seed pod	do	1			Tex.
Elimaea punctifera (Walk.) (Tettigonlidae):					
Baggage	Hawaii	1			Hawaii.
Endelomyia aethiops (F.) (Tenthredinidae):					
Rosa hydrid (rose) cut flower	Italy, Poland	2			Ill., N.Y.
Engonus subcylindricus Fahrs. (Anthribidae):					
Airplane	Venezuela		1		Fla.
Eobia bicolor (Fairm.) (Oedemeridae):					
Airplane	Christmas Island, Palmyra Island(?). Philippines, Southwest Pacific.		4		Hawaii.
Baggage	Hawaii	1			Hawaii.
Flowers	do	1			Hawaii.
Mail package	do	1			Hawaii.
Orchid (flower)	do	1			Hawaii.
Plumeria sp.	do	1		1	Hawaii.
Ephestia calidella Guen. (Phycitidae):					
Ficus carica (fig)	Greece	1			Va.
Ribes sp. (currant)	Bulgaria	1			N.Y.
Epichorista ionephela (Meyr.) (Tortricidae):					
Ornithogalum thyrsoides (Cape chinkerichee)	Republic of South Africa.	2			N.Y.
Epidiaspis piricola (del. Guer.) (Coccidae):					
Malus sylvestris (apple)	France		1		Fla.
Epilachna borealis (F.) var. (Coccinellidae):					
Musa paradisiaca var. *sapientum* (banana)	Ecuador	2			Ala., N.Y.
Epilachna 28-punctata (F.) (Coccinellidae):					
Brassica oleracea var. *capitata* (cabbage)	Australia		1		S.C.
Epinotia aporema (Wlsm.) (Olethreutidae):					
Cajanus cajan (pigeonpea)	Jamaica	1			N.Y.
Vicia faba (broadbean)	Ecuador	1			Fla.
Eremocoris plebejus (Fall.) (Lygaeidae):					
Soil with *Vaccinium* sp. (blueberry) plant	Norway			1	N.Y.
Eriococcus araucariae Mask. (Coccidae):					
Araucaria excelsa (Norfolk-Island-pine)	Azores			1	N.J.
Araucaria sp.	Bermuda	1			Mass.
Eriophyes canestrinii (Nal.) (Eriophyidae):					
Buxus sp. (boxwood)	Unknown		1		Wash.
Eriophyes lcionotus (Nal.) (Eriophyidae):					
Betula sp. (birch)	Finland	1			N.Y.
Euborellia plebeja (Dohrn) (Labiduridae):					
Fragaria sp. (strawberry)	Japan	1			Hawaii.
Pinus sp. (pine) dwarf tree	do			1	Wash.
Euborellia stali (Dohrn) (Labiduridae):					
Amaryllis sp.	Dominica			1	Fla.
Eucalymnatus tessellatus (Sign.) (Coccidae):					
Heliconia sp.	Unknown	1			N.Y.
Euconocephalus platynotum (M.&S.) (Tettigoniidae):					
Airplane	Japan		1		Hawaii.
Euglandina striata (Müller) (Oleacinidae):					
Musa paradisiaca var. *sapientum* (banana)	Ecuador	17			Ala., Calif.,* Fla., La., N.Y.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Euleia heraclei (L.) (Tephritidae):					
Apium graveolens (celery)	Germany		1		N.Y.
Eurydema ornatum (L.) (Pentatomidae):					
Punica granatum (pomegranate)	Israel	1			N.Y.
Eurytoma infracta Mayr (Eurytomidae):					
Salvia officinalis var. *purpurascens* (purple sage).	Italy	1			N.Y.
Eurytoma orchidearum (Westw.) (Eurytomidae):					
Cattleya skinneri (orchid)	Costa Rica			1	Calif.*
Orchid	Colombia, El Salvador			4	Fla.
Euscelis plebejus (Fall.) (Cicadellidae):					
Gladiolus hybrid	Italy		1		N.Y.
Euscepes porcellus Boh. (Curculionidae):					
Ipomoea batatas (sweetpotato)	British Honduras	1			Fla.
Euscepes postfasciatus (Fairm.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Brazil, Trinidad		6		Ala., Calif.,* Pa.
Eutetranychus banksi (McG.) (Tetranychidae):					
Artocarpus altilis (breadfruit) leaf	Jamaica	2			Fla.
Everes comyntas (Godt.) (Lycaenidae):					
Phaseolus vulgaris var. (string bean)	Mexico	3			Tex.
Evergestis forficalis (L.) (Pyraustidae):					
Brassica oleracea var. *botrytis* (cauliflower)	Norway		1		N.Y.
Exitianus obscurinervis (Stal) (Cicadellidae):					
Airplane	Unknown		1		N.Y.
Flowers	Mexico	1			Tex.
Exptochiomera oblonga (Stal) (Lygaeidae):					
Tillandsia sp.	do			1	Ariz.
Farinococcus guatemalensis Ferris (Coccidae):					
Orchid	Guatemala			2	Ariz., N.J.
Fiorinia proboscidaria Green (Coccidae):					
Citrus limon (lemon)	Japan		1		Hawaii.
Fiorinia theae Green (Coccidae):					
Camellia sp.	Mexico	2			Calif.*
Cocos nucifera (coconut)	Philippines		1		Calif.*
Forficula decipiens Géné (Forficulidae):					
Pisum sativum (pea)	Italy	1			N.Y.
Forficula pubescens Géné (Forficulidae):					
Phaseolus vulgaris (bean)	do	1			N.Y.
Soil with *Iris* sp. plants	do			1	N.Y.
Forficula senegalensis Serv. (Forficulidae):					
Cupressus sp. (cypress) cone	France	1			N.Y.
Flowers	Republic of South Africa.	1			N.Y.
Frankliniella formosae Mlt. (Thripidae):					
Chrysanthemum morifolium	Japan	2			Hawaii.
Chrysanthemum sp.	Korea	1			Wash.
Dianthus caryophyllus (carnation)	Japan	1			Hawaii.
Frankliniella intonsa (Tryb.) (Thripidae):					
Dianthus caryophyllus (carnation)	Hungary, Sweden	2			N.Y.
Flowers	Denmark, England, Germany, Poland.	5			N.Y.
Gladiolus hybrid	Hungary	1			N.Y.
Helichrysum bracteatum (strawflower)	Germany	1			N.Y.
Lathyrus odoratus (sweetpea)	England	1			Mass.
Rosa hybrid	Denmark, England, France, Germany, Poland.	7			Ill., N.Y.
Frankliniella lilivora Kurosawa (Thripidae):					
Lilium sp. (lily) bulb	Japan			1	N.Y.
Frankliniella paucispinosa Mlt. (Thripidae):					
Lippia sp.	Argentina			1	Fla.
Frankliniella schultzei (Tryb.) (Thripidae):					
Nerine lucida (seed)	Republic of South Africa.			2	D.C.
Frankliniella sulphurea Schmutz (?)(Thripidae):					
Capsicum annuum (pepper)	Hawaii	1			Hawaii.
Furcaspis haematochroa Ckll. (Coccidae):					
Kentia sp. (palm) leaf	Philippines		1		Calif.*
Furcaspis oceanica Ldgr. (Coccidae):					
Cocos nucifera (coconut)	Guam (?), Kwajalein	4			Hawaii.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Gelechia ericetella (Hbn.) (Gelechiidae):					
Calluna vulgaris (heather)	Scotland, unknown	1	1	-----	N.Y.
Geniocremnis chilensis (Boh.) (Curculionidae):					
Prunus domestica (plum)	Chile	1	-----	-----	N.Y.
Geotomus pygmaeus (Dallas) (Cydnidae):					
Baggage	Hawaii	2	-----	-----	Hawaii.
Gnorimoschema gudmannella (Wlsm.) (Gelechiidae):					
Capsicum annuum (pepper)	Cuba, Guatemala, Mexico.	10	-----	-----	Ariz., Calif., Calif.,* Fla., La., Tex.
Gnorimoschema ocellatella (Boyd) (Gelechiidae):					
Beta vulgaris (beet)	Italy, United Arab Republic.	1	2	-----	N.Y., Pa.
Gortyna flavago (Schiff.) (Noctuidae):					
Cynara scolymus (artichoke)	Italy	-----	1	-----	Md.
Grapholitha janthiana (Dup.) (?) (Olethreutidae):					
Malus sylvestris (apple)	Austria, Rumania, unknown, Yugoslavia	4	1	-----	Ill., Mich., N.Y.
Grapholitha packardi Zell. (Olethreutidae):					
Crataegus sp. (red haw)	Mexico	1	-----	-----	Tex.
Graptostethus manillensis (Serv.) (Lygaeidae):					
Ipomoea sp.	Hawaii	1	-----	-----	Hawaii.
Gymnococcus agavium (Dougl.) (Coccidae):					
Agave shawii	Mexico	-----	-----	1	Calif.
Agave sp.	Spain	-----	-----	1	N.Y.
Gynaikothrips ficorum (Marchal) (Phlaeothripidae):					
Airplane	Cuba	-----	1	-----	Fla.
Laurus nobilis (Grecian laurel)	Mexico	-----	-----	1	Calif.
Haplothrips aculeatus (F.) (Phlaeothripidae):					
Plant—unidentified	Netherlands	-----	-----	2	N.J.
Haplothrips clarisetis Pr. (?) (Phlaeothripidae):					
Lactuca sativa (lettuce)	Mexico	1	-----	-----	Calif.
Haplothrips cottei (Vuillet) (Phlaeothripidae):					
Flowers	Greece	1	-----	-----	N.Y.
Haplothrips gowdeyi (Frankl.) (Phlaeothripidae):					
Crinum sp.	Hawaii	1	-----	-----	Hawaii.
Flowers	Bermuda	1	-----	-----	N.Y.
Helichrysum bracteatum (strawflower)	Israel	1	-----	-----	N.Y.
Plumeria rubra (Mexican frangipani)	Hawaii	1	-----	-----	Hawaii.
Zinnia sp.	Israel	1	-----	-----	N.Y.
Hedylepta indicata (F.) (Pyraustidae):					
Phaseolus vulgaris var. (string bean)	Cuba	1	-----	-----	Fla.
Helicella caperata (Montagu) (Helicellidae):					
Military cargo	Italy	1	-----	-----	La.
Helicella conspurcata (Draparnaud) (Helicellidae):					
Military cargo	Azores, France, Italy, Libya, Morocco, Spain.	9	-----	-----	La., N.Y., N.C., S.C.
Helicella derbentina (Andrz.) (Helicellidae):					
Military cargo	Turkey	1	-----	-----	N.Y.
Helicella ericetorum (Müller) (Helicellidae):					
Tropaeolum sp. (nasturtium) seed	Netherlands	-----	-----	1	Pa.
Helicella itala (L.) (Helicellidae):					
Brassica oleracea var. *capitata* (cabbage) seed	Italy	-----	-----	1	N.Y.
Military cargo	Italy, unknown	4	-----	-----	La., N.Y.
Helicella maritima (Draparnaud) (Helicellidae):					
Lactuca sativa var. *longifolia* (romaine lettuce)	France	-----	1	-----	N.Y.
Military cargo	France, Italy	3	-----	-----	La., N.Y.
Stores (with sweet orange)	Spain	-----	1	-----	N.C.
Helicella neglecta (Draparnaud) (Helicellidae):					
Military cargo	----do	1	-----	-----	La.
Helicella pyramidata (Draparnaud) (Helicellidae):					
Military cargo	Greece	2	-----	-----	La.
Helicella striata (Müller) (Helicellidae):					
Military cargo	France, Greece, Italy, Turkey, unknown.	7	-----	-----	La., N.Y., Va.
Soil	Italy	1	-----	-----	N.Y.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Helicella variabilis (Draparnaud) (Helicellidae):					
Anthemis sp. (camomile)	Spain	1			P.R.
Lactuca sativa var. *longifolia* (romaine lettuce)	France		2		N.Y.
Military cargo	Unknown	4			N.Y.
Soil with automobile	France	1			Fla.
Helicina strebeli Pfeiffer (Helicinidae):					
Chamaedorea sp. (palm)	Mexico	2			La.
Helix aperta Born (Helicidae):					
Brassica oleracea var. *botrytis* (cauliflower)	Germany, Netherlands		2		Ga., S.C.
B. oleracea var. *capitata* (cabbage)	Italy		1		N.Y.
Lactuca sativa var. *longifolia* (romaine lettuce)	Greece		1		N.Y.
Helix aspersa Müller (Helicidae):					
Baggage (as food)	Italy	1			N.Y.
Lactuca sativa (lettuce)	France		2		N.Y.
Military cargo	Spain	1			La.
Orchid	Peru			1	Fla.
Stores (on egg crate)	Belgium		1		Mich.
Helix pomatia L. (Helicidae):					
Baggage (as food)	Italy	1			N.Y.
Stores (food for crew)	Unknown		1		La.
Hellula undalis (F.) (Pyraustidae):					
Brassica oleracea var. *capitata* (cabbage)	United Arab Republic		1		Pa.
Hemiargus hanno (Stoll) (Lycaenidae):					
Airplane	Venezuela (?)		1		Fla.
Hemimene juliana (Curt.) (Olethreutidae):					
Castanea sp. (chestnut)	Italy, Portugal	2			Mass., N.Y.
Heterobostrychus aequalis (Waterh.) (Bostrichidae):					
Bambusa sp. (bamboo) slat	India	1			Md.
Wood (crate)	Cuba, Philippines, Thialand.	3			Fla., Ill.
Heterotermes cardini (Snyder) (Rhinotermitidae):					
Crescentia linearifolia (calabash tree)	Haiti	1			Fla.
Heterotermes convexinotatus (Snyder) (Rhinotermitidae):					
Cardboard (box)	do	1			Fla.
Dalbergia sp. (rosewood) log	Brazil	1			La.
Mangifera indica (mango)	Martinique	1			P.R.
Pinus sp. (pine) stump	Honduras	1			La.
Homoeogryllus japonicus (Haan) (Gryllidae):					
Baggage (as caged pets)	Japan	1			Hawaii.
Homotoma ficus (L.) (Psyllidae):					
Ficus carica (fig) stem	Yugoslavia			1	Calif.*
Insara tolteca Sauss. (Tettigoniidae):					
Orchid	Mexico			1	Fla.
Iphiclides protesilaus (L.) (Papilionidae):					
Automobile	do		1		Tex.
Ips typographus (L.) (Scolytidae):					
Pinus sp.(?) (crate)	Norway	1			N.Y.
Iridomyrmex iniquus Mayr (Formicidae):					
Bromeliad	Mexico			1	Ariz.
Orchid	Guatemala			2	Fla., La.
Iridomyrmex leucomelas Em. (Formicidae):					
Bromeliad	Brazil			1	Fla.
Isorhinus undatus Champ. (Curculionidae):					
Bromelia sp.	Mexico			1	Tex.
Jadera haematoloma (H.-S.) (Coreidae):					
Baggage	Colombia	1			Tex.
Kalotermes immigrans Snyder (Kalotermitidae):					
Mail package	Hawaii	3			Hawaii.
Labia arcuata Scudd. (Labiidae):					
Chamaedorea oblongata (palm) leaf	Mexico	1			Tex.
Lamellaxis gracilis (Hutton) (Achatinidae):					
Persea americana (avocado) seed	St. Lucia			1	P.R.
Soil	Mexico	1			Tex.
Soil with miscellaneous plants	Jamaica			1	Fla.
Tsuga diversifolia (Japanese hemlock) seed	Japan			1	N.J.
Lampides boeticus (L.) (Lycaenidae):					
Canavalia microcarpa (mauna loa) lei	Hawaii	5			Hawaii.
Canavalia sp.	do	9			Calif.,* Hawaii.
Vicia faba (broadbean)	United Arab Republic		1		Pa.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Laspeyresia nigricana (Steph.) (Olethreutidae):					
Pisum sativum (pea)	Italy	1			N.Y.
Laspeyresia splendana (Hbn.) (Olethreutidae):					
Castanea sp. (chestnut)	Germany, Italy, Portugal, Spain, Turkey, Yugoslavia.	28		1	Mass., Mich., N.Y.
Laspeyresia strobilella (L.) (Olethreutidae):					
Picea sp. (spruce) cone	Germany, unknown	3			N.Y.
Pinus sp. (pine) cone	England	1			N.Y.
Lecanium corni Bouché (Coccidae):					
Jasminum sp. (jasmine) flower petal	France	1			N.Y.
Prunus sp. (bark)	Japan			1	Wash.
Rosa hybrid (rose) budwood	France			1	N.Y.
Lecanium coryli (L.) (Coccidae):					
Acer platanoides (Norway maple)	Belgium			1	N.J.
Lecanium persicae (F.) (Coccidae):					
Prunus domestica (plum) stem	Chile	1			N.Y.
Lepidosaphes conchiformis (Gmel.) (Coccidae):					
Diospyros kaki (kaki persimmon)	Japan	1	4		Calif.,* Hawaii.
Lepidosaphes ficus (Sign.) (Coccidae):					
Ficus carica (fig) cutting	Italy			2	Calif.,* N.Y.
Lepidosaphes kuwacola (Kuw.) (Coccidae):					
Diospyros sp. (persimmon)	Japan	1			Wash.
Lepidosaphes newsteadi (Sulc.) (Coccidae):					
Juniperus chinensis (pyramid Chinese juniper) dwarf.	do			1	Calif.*
Lepidosaphes philococcus (Ckll.) (Coccidae):					
Cactus	Mexico			1	Fla.
Nolina sp.	do			1	Tex.
Lepidosaphes pini (Mask.) (Coccidae):					
Pinus sp. (pine)	Japan		1		Calif.*
Lepidosaphes punicae Laing (Coccidae):					
Erythrina sp. (coralbean)	Thailand			1	D.C.
Lepidosaphes tokionis (Kuw.) (Coccidae):					
Codiaeum variegatum (croton)	Hawaii	6		3	Calif.,* Hawaii.
Codiaeum sp.	Hawaii, Panama	4		2	Fla., Hawaii.
Lepidosaphes tuberculata Mal. (Coccidae):					
Orchid	Australia			1	N.Y.
Lepidosaphes tubulorum Ferris (Coccidae):					
Rhododendron yakusimanum	Japan			1	Hawaii.
Lepidosaphes yanagicola (Kuw.) (Coccidae):					
Diospyros kaki (kaki persimmon)	do	1			Hawaii.
Leptidea brevipennis Muls. (Cerambycidae):					
Salix sp. (willow)	France(?)		1		Mich.
Leptocoriza varicornis (F.) (Coreidae):					
Airplane	Philippines		1		Hawaii.
Leptodictya sinaloana Drake (Tingidae):					
Tillandsia usneoides (Spanish moss)	Mexico	1			Calif.*
Leptoglossus chilensis (Spin.) (Coreidae):					
Vitis sp. (grape)	Chile	3			N.Y.
Leptopharsa usingeri Drake (Tingidae):					
Yucca sp. (seed)	Mexico			1	Tex.
Leucaspis lowi Colvee (Coccidae):					
Pinus sp. (pine) needles	Austria	1			Ill.
Leucaspis pusilla Loew (Coccidae):					
Pinus sp. (pine) needles	Greece	1			N.Y.
Leucoptera coffeella G.-M. (Lyonetiidae):					
Coffea sp. (coffee) leaf	Cuba, Guatemala, Haiti.	2		1	Fla.
Ligyrocoris auriwilliana (Dist.) (Lygaeidae):					
Cucumis melo var. *cantalupensis* (cantaloupe)	Mexico	1			Tex.
Ligyrocoris nitidulus (Uhler) (Lygaeidae):					
Agave victoriae-reginae	do			2	Tex.
Limax marginatus Müller (Limacidae):					
Brassica oleracea var. *botrytis* (broccoli)	Azores, Italy		2		N.Y.
B. oleracea var. *capitata* (cabbage)	Italy		1		N.Y.
Lactuca sativa (lettuce)	Spain		1		N.Y.
Limax maximus L. (Limacidae):					
Brassica oleracea var. *capitata* (cabbage)	Italy		1		N.Y.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Limothrips angulicornis (Jablwki.) (Thripidae):					
Prunus persica var. *nectarina* (nectarine)	Chile	1			N.Y.
Limothrips denticornis (Hal.) (Thripidae):					
Calluna vulgaris (heather)	Scotland			1	N.Y.
Plant—unidentified	Netherlands			1	N.J.
Lincus rufospilotus (Westw.) (Pentatomidae):					
Orchid	Colombia, Peru			3	Fla.
Lustronotus palustris Blatchley (Curculionidae):					
Airplane	Unknown		1		Fla.
Lobesia botrana (Schiff.) (Olethreutidae):					
Vitis sp. (grape)	Italy, Lebanon	2			N.Y.
Lobesia botrana (Schiff.)(?) (Olethreutidae):					
Quarters (with *Phoenix dactylifera*)	Unknown		1		Mass.
Lorryia formosa Cooreman (Tydeidae):					
Citrus limon (lemon)	Argentina		1		Fla.
Lorryia mali Oud. (Tydeidae):					
Citrus limon (lemon)	Spain		1		Fla.
Loxostege bifidalis (F.) (Pyraustidae):					
Portulaca sp.	Mexico	1			Tex.
Lyctus africanus Lesne (Lyctidae):					
Wood—unidentified	England, India	5			Fla., Mass., N.Y., Wis.
Lyctus brunneus (Steph.) (Lyctidae):					
Wood—unidentified	American Samoa, Brazil.	2			Calif.,* Ohio.
Lyctus linearis (Goeze) (Lyctidae):					
Bagging	India	1			N.Y.
Gum	do	1			N.Y.
Lygus lineolaris (P. de B.) (Miridae):					
Chrysanthemum sp.	Mexico	1			Tex.
Lygus lucorum (Meyer-Dur.) (Miridae):					
Plant—unidentified	Netherlands			1	N.J.
Macroplax fasciata (Herrich-Schaeffer) (Lygaeidae):					
Stipa tenacissima (esparto needlegrass)	Italy	1			Md.
Macrosiphum formosanum Takah. (Aphidae):					
Lactuca sativa (lettuce)	Japan		1		Hawaii.
Mamestra brassicae (L.) (Noctuidae):					
Brassica oleracea var. *botrytis* (cauliflower)	Tanganyika		1		N.Y.
B. oleracea var. *capitata* (cabbage)	England, France, Germany, Italy, Netherlands.		7		Ga., N.Y., P.R., Tex.
Brassica sp.	Japan		1		Wash.
Petroselinum crispum (parsley)	Italy		1		Pa.
Maruca testulalis (Geyer) (Pyraustidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	5			Ill., P.R.
Canavalia microcarpa (mauna loa)	Hawaii	5			Hawaii.
Canavalia sp.	do	5			Calif.,* Hawaii.
Cargo (with celery and chayote)	Puerto Rico	2			P.R.
Phaseolus vulgaris var. (string bean)	Brazil, Japan, Puerto Rico.	11	3		Calif.,* Ill., Pa., P.R.
Sesbania grandiflora (agati sesbania)	Hawaii	2			Hawaii.
Sesbania sp.	do	1			Hawaii.
Strongylodon macrobotrys (?)	do	1			Calif.*
Matsucoccus matsumurae (Kuw.) (Coccidae):					
Pinus sp. (pine)	Japan		1	1	Calif.,* Wash.
Matsumuraeses phaseoli (Mats.) (Olethreutidae):					
Phaseolus vulgaris var. (string bean)	do		4		Calif.,* Wash.
Mecolaemus carvalhoi (Costa Lima) (Miridae):					
Orchid	Peru			2	Fla.
Megacerus alternatus Bridw. (Bruchidae):					
Seed—assorted	Hawaii	1			Hawaii.
Megastes grandalis Guen. (Pyraustidae):					
Ipomoea batatas (sweetpotato)	Brazil		1		Md.
Megastigmus cryptomeriae Yano (Torymidae):					
Cryptomeria japonica (seed)	Japan			1	N.J.
Megastigmus suspectus pinsapinis Hffm. (Torymidae):					
Cedrus deodara (deodar cedar) seed	France (?)			1	N.J.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Melolontha melolontha (L.) (Scarabaeidae):					
Airplane	France	-----	28	-----	N.Y.
Mesochelidura peringueyi Burr (Forficulidae):					
Protea sp. (cut flower)	Republic of South Africa.	1	-----	-----	N.Y.
Metamasius hemipterus sericeus (01.) (Curculionidae):					
Musa paradisiaca var. *sapientum* (banana)	Costa Rica, Ecuador, Panama.	20	-----	-----	Ala., Fla., La., N.Y., S.C., Tex
Metopoplax ditomoides (Costa) (Lygaeidae):					
Airplane	Morocco	-----	1	-----	Fla.
Micrapate labialis Lesne (Bostrichidae):					
Wood (crate)	Mexico	2	-----	-----	Calif., N.Y.
Micrapate scabrata (Erich.) (Bostrichidae):					
Prunus domestica (plum)	Chile	1	-----	-----	N.Y.
Microcerotermes exiguus (Hagen) (Termitidae):					
Orchid	British Guiana	-----	-----	1	Fla.
Mimosestes sallaei (Sharp) (Bruchidae):					
Acacia farnesiana (sweet acacia) seed	Jamaica	-----	-----	1	D.C.
Airplane	Venezuela	-----	1	-----	P.R.
Legume (seed)	Hawaii	-----	-----	1	Hawaii.
Seed—unidentified	Mexico	-----	-----	1	Tex.
Minthea rugicollis (Wlk.) (Lyctidae):					
Bamboo	India	1	-----	-----	N.Y.
Wood (crate)	Brazil, England, Thailand, Venezuela (?).	4	-----	-----	Fla., Ill., Ohio.
Molorchus minor (L.) (Cerambycidae):					
Wood (crate)	Sweden	1	-----	-----	Wis.
Monacha cantiana (Montagu) (Helicellidae):					
Lactuca sativa (lettuce)	Italy	-----	1	-----	N.Y.
Military cargo	France	2	-----	-----	La.
Plant—unidentified	Germany	-----	-----	1	N.J.
Monacha carthusiana (Müller) (Helicellidae):					
Brassica oleracea var. *capitata* (cabbage) seed	Italy	-----	-----	1	N.Y.
Military cargo	do	1	-----	-----	La.
Monomorium destructor (Jerd.) (Formicidae):					
Dendrobium sp. (orchid)	India	-----	-----	1	Fla.
Fruit—miscellaneous	Philippines	1	-----	-----	Wash.
Gladiolus hybrid	Indonesia	1	-----	-----	Hawaii.
Grass (plant)	India	-----	-----	1	D.C.
Herbs (dried)	Trinidad	1	-----	-----	N.Y.
Mail package	Hawaii	1	-----	-----	Hawaii.
Pyrus sp. (pear) dried	India	-----	-----	1	D.C.
Quarters	Unknown	-----	1	-----	Ill.
Moodna bisinuella Hamp. (Phycitidae):					
Zea mays (corn)	Mexico	-----	1	-----	Calif.
Morganella longispina (Morg.) (Coccidae):					
Citrus aurantifolia (lime)	Hawaii	1	-----	-----	Calif.*
C. grandis (pummelo)	Tahiti	2	1	-----	Calif.,* Hawaii.
C. paradisi (grapefruit)	do	-----	1	-----	Calif.*
C. reticulata (Mandarin orange)	Japan	-----	2	-----	Calif.*
C. sinensis (sweet orange)	do	-----	1	-----	Calif.*
Plant—unidentified	Bermuda	1	-----	-----	Mass.
Mormidea inermis Dallas (Pentatomidae):					
Orchid	Mexico	-----	-----	1	Tex.
Myelobia smerinthus (Hbn.) (Galleriidae):					
Bamboo	do	2	-----	-----	Fla., Tex.
Myodocha longicollis Stal (Lygaeidae):					
Orchid	do	-----	-----	1	Fla.
Myzaphis bucktoni Jacob (?) (Aphidae):					
Rosa hybrid (rose) petal	France	1	-----	-----	N.Y.
Myzus ascalonicus Donc. (Aphidae):					
Allium cepa (onion)	Netherlands	-----	-----	1	N.J.
Aster sp. (plant)	Germany	-----	-----	1	N.J.
Stores (on lettuce)	Unknown	-----	4	-----	N.Y.
Nasutitermes corniger (Motsch.) (Termitidae):					
Cyathea sp. (treefern)	Mexico	-----	-----	1	Tex.
Dalbergia sp. (rosewood) log	Brazil	1	-----	-----	La.
Orchid	Honduras	-----	-----	1	Fla.
Wood (crate)	Colombia	1	-----	-----	Fla.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Nasutitermes costalis (Holmgr.) (Termitidae):					
Wood (limb with orchid on it)	Trinidad	1			Fla.
Nasutitermes ephratae (Holmgr.) (Termitidae):					
Bromeliad	British Honduras			2	Fla.
Orchid	British Honduras, Dominican Republic.			3	Fla.
Schomburgkia sp. (orchid)	British Honduras			1	Fla.
Nasutitermes nigriceps (Hald.) (Termitidae):					
Airplane	do		1		Fla.
Bromeliad	do			4	Fla.
Orchid	Brazil, British Honduras.			2	Fla.
Schomburgkia sp. (orchid)	British Honduras			1	Fla.
Naupactus xanthographus (Germ.) (Curculionidae):					
Vitis sp. (grape)	Chile	8			N.Y.
Neoleucinodes elegantalis (Guen.) (Pyraustidae):					
Cargo (with pumpkin)	Mexico	1			Tex.
Lycopersicon esculentum (tomato)	do	2			Tex.
Solanum melongena (eggplant)	Brazil, Venezuela	1	1		N.Y., P.R.
S. quitoense	Haiti	1			Fla.
Neolobophora ruficeps (Burm.) (Forficulidae):					
Bromeliad	Costa Rica			1	Fla.
Neophyllaphis araucariae Takah. (Aphidae):					
Araucaria sp.	Hawaii			1	Hawaii.
Neotermes castaneus (Burm.) (Kalotermitidae):					
Dioscorea sp. (yam)	Haiti	1			N.Y.
Nephotettix apicalis (Motsch.) (Cicadellidae):					
Airplane	Japan (?), Philippines (?).		4		Hawaii.
Nezara viridula (L.) (Pentatomidae):					
Military cargo	Morocco, unknown	2			N.Y., S.C.
Vitis sp. (grape)	Chile, Republic of South Africa.	5			N.Y.
Nilotaspis halli (Green) (Coccidae):					
Prunus sp.	Iran			1	D.C.
Nipponaclerda biwakoensis (Kuw.) (Coccidae):					
Phragmites communis (reed)	Japan	1			Calif.*
Nudur fractivittarum Dyar (Lithosiidae):					
Bromeliad	British Honduras			1	Fla.
Nysius delectulus Perkins (Lygaeidae):					
Airplane	Hawaii		1		Hawaii.
Nysius huttoni B. White (Lygaeidae):					
Lactuca sativa (lettuce)	New Zealand		1		Hawaii.
Nysius raphanus Howard (Lygaeidae):					
Brassica sp.	Mexico	3			Tex.
Plant—unidentified	do	1			Ariz.
Portulaca oleracea (purslane)	do	1			Tex.
Portulaca sp.	do	1			Tex.
Zea mays (corn)	do	2			Tex.
Nysius tenellus Barber (Lygaeidae):					
Agave victoriae-reginae	do			1	Tex.
Airplane	British West Indies		1		P.R.
Chrysanthemum parthenium	Mexico	1			Tex.
Odonaspis ruthae Kot. (Coccidae):					
Cynodon dactylon (Bermuda grass)	Republic of South Africa.			1	D.C.
Cynodon sp. (dogtooth grass)	Ethiopia			1	D.C.
Oenopiella unidentata (Spinola) (Pentatomidae):					
Airplane	Argentina (?)		1		Fla.
Ogdoecosta biannularis (Boh.) (Chrysomelidae):					
Bromeliad	Mexico			1	Ariz.
Onthophagus taurus (Schr.) (Scarabaeidae):					
Automobile	Unknown	1			N.Y.
Onychaspidium apicale (Will.) (Chloropidae):					
Orchid	Mexico			1	Tex.
Opogona sacchari (Bojer) (Tineidae):					
Haworthia arachnoidea	Republic of South Africa.			1	N.J.
Log	Africa (country (?))	1			La.
Ornithogalum sp. (chinkerichee)	Republic of South Africa.			1	N.J.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Orchidophilus aterrimus (Waterh.) (Curculionidae):					
Orchid	Hawaii	1			Hawaii.
Vanda 'Miss Joaquim' (orchid)	do	1			Hawaii.
Orphulella punctata (DeG.) (Acrididae):					
Airplane	Dominican Republic		1		P.R.
Orthezia praelonga Dougl. (Coccidae):					
Anthurium sp.	Trinidad	1			P.R.
Ostrinia nubilalis (Hbn.) (Pyraustidae):					
Castanea sp. (chestnut)	Italy	1			N.J.
Chrysanthemum morifolium	Japan	1			Hawaii.
Chrysanthemum sp.	do	1			Wash.
Military cargo	Spain	1			La.
Phaseolus vulgaris var. (string bean)	Japan		2		Calif.,* Wash.
Sorghum vulgare var. *technicum* (broomcorn)	Italy, Yugoslavia	3			N.Y.
Otala lactea (Müller) (Helicidae):					
Brassica oleracea var. *botrytis*	Italy	1			N.Y.
Lactuca sativa (lettuce)	do		1		N.Y.
Military cargo	Morocco	2			La., Tex.
Otala vermiculata (Müller) (Helicidae):					
Military cargo	Italy, Morocco, Spain	5			La., N.Y., Va.
Otosema odorata (L.) (Noctuidae):					
Airplane	Venezuela		1		Fla.
Oulema melanopa (L.) (Chrysomelidae):					
Plant—unidentified	Netherlands			2	N.J.
Soil with *Calluna vulgaris* (heather)	Germany			1	Mich.
Ozacia xerensis Arnett (Oedemeridae):					
Baggage	Mexico	1			Calif.
Oxychilus alliarius (Müller) (Zonitidae):					
Cactus	Italy			1	N.Y.
Orchid	Mexico			1	Hawaii.
Oxychilus draparnaldi (Beck) (Zonitidae):					
Military cargo	France	1			La.
Ozycopis vittata (Fab.) (Oedemeridae):					
Airplane	Puerto Rico		1		P.R.
Pachybrachius albocinctus Barber (Lygaeidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Ariz.
Pagiocerus fiorii (Egg.) (Scolytidae):					
Zea mays (corn)	Peru	1	1		La., N.Y.
Palaeopus costicollis Mshl. (Curculionidae):					
Dioscorea sp. (yam)	Jamaica, Trinidad	2			N.Y.
Palpifer sexnotatus (Moore)(?) (Hepialidae):					
Colocasia antiquorum (taro)	China	1			Wash.
Paragonatas divergens (Dist.) (Lygaeidae):					
Bromeliad	British Guiana			1	Fla.
Paraputo taraktogeni Rao (Coccidae):					
Zantedeschia sp. (calla lily)	India			1	N.J.
Parisoschoenus expositus (Champ.) (Curculionidae):					
Chamaedorea sp. (palm) seed	Mexico			1	Tex.
Parisoschoenus flavolimbatus (Champ.) (Curculionidae):					
Chamaedorea oblongata (palm) stem	do	1			Tex.
Parlatoria cinerea Hadden (Coccidae):					
Citrus aurantifolia (lime)	Brazil, India	1	3		Calif.*
C. grandis (pummelo)	Formosa		1	1	Calif.,* D.C.
C. limon (lemon)	Argentina, Brazil, unknown.		4		Ala., Calif.*
C. paradisi (grapefruit)	Australia(?), Brazil, Surinam, Tahiti, Trinidad, unknown.		7		Calif.*
C. reticulata (Mandarin orange)	Philippines		1		Hawaii.
C. sinensis (sweet orange)	Argentina, Brazil, Ecuador, Mexico, Tahiti, unknown.	5	18		Calif.,* Fla., N.Y.
Parlatoria crotonis Dougl. (Coccidae):					
Codiaeum variegatum (croton)	Hawaii			1	Hawaii.
Parlatoria crypta McKenzie (Coccidae):					
Jasminum sp. (jasmine)	India			1	Wash.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Parlatoria pittospori Mask. (Coccidae):					
Leucadendron sp.	Republic of South Africa.	-----	-----	1	D.C.
Parlatoria zizyphus (Lucas) (Coccidae):					
Citrus aurantifolia (sour lime)	Cameroun, Gambia, Japan.	1	3	-----	Calif.,* Mass., N.Y.
C. aurantifolia (sweet lime)	Italy	1	-----	-----	Mass.
C. grandis (pummelo)	Japan	1	2	-----	Calif.*
C. limon (lemon)	Algeria, Italy, Japan, Liberia.	1	8	-----	Calif.,* N.Y. Tex.
C. paradisi (grapefruit)	China, Thailand	-----	3	-----	Calif.*
C. reticulata (Mandarin orange)	China, Formosa, Hong Kong, Japan, Okinawa, Philippines.	7	2	-----	Calif.,* Hawaii.
C. sinensis (sweet orange)	Algeria, China, Hong Kong, Israel, Italy, Japan, Philippines, Spain, unknown.	4	14	-----	Calif.,* Hawaii, Mass., N.Y.
Citrus sp. (leaf)	Japan, Thailand	1	1	-----	Calif.,* Hawaii.
Paroxacis antillarum (Champ.) (Oedemeridae):					
Airplane	Venezuela	-----	1	-----	Fla.
Patanga japonica (Bol.) (Acrididae):					
Baggage	Japan	1	-----	-----	Wash.
Pealius hibisci (Kot.) (Aleyrodidae):					
Gardenia sp.	Hawaii	1	-----	-----	Calif.*
Pectinophora gossypiella (Saund.) (Gelechiidae):					
Gossypium herbaceum (Levant cotton; boll)	Trinidad	-----	-----	1	Fla.
Gossypium sp. (cotton; bale)	India	1	-----	-----	Calif.*
Gossypium sp. (cotton; boll)	Haiti, Hawaii, Italy, Mexico, Turkey.	7	-----	-----	Fla., Hawaii, N.Y., Tex.
Gossypium sp. (cotton; motes)	Brazil	1	-----	-----	S.C.
Gossypium sp. (cottonseed)	Brazil, Grand Cayman, Hong Kong, Mexico, United Arab Republic.	7	2	-----	Fla., N.Y., S.C., Tex.
Gossypium sp. (seed cotton)	Mexico	-----	4	-----	Tex.
Hibiscus esculentus (okra)	Dominican Republic, Haiti, Jamaica.	6	3	-----	Fla., N.Y., Pa., P.R.
Hibiscus sp. (lei)	Cuba	1	-----	-----	Va.
Pelopidas mathias oberthuri Evans (Hesperiidae):					
Airplane	Japan(?)	-----	1	-----	Hawaii.
Pemphigus populiramulorum Riley (Aphidae):					
Populus sp. (leaf)	Mexico	1	-----	-----	Ariz.
Pentalonia nigronervosa Coq. (Aphidae):					
Alocasia sp. (leaf)	Canal Zone	-----	-----	1	Fla.
Alpinia mutica (Malay galangal)	Hawaii	1	-----	-----	Hawaii.
A. purpurata	Hawaii, Panama	9	-----	-----	Fla., Hawaii.
Alpinia sp. (flower)	Canal Zone, Hawaii, Panama.	2	-----	1	Fla., Hawaii.
Calochortus sp. (mariposa)	Cuba	1	-----	-----	N.Y.
Fern	Peru	-----	-----	1	Fla.
Heliconia humilis	Hawaii	1	-----	-----	Hawaii.
Heliconia sp.	Cuba	-----	-----	1	Fla.
Phaeomeria sp.	Ecuador	1	-----	-----	Fla.
Strelitzia sp. (bird-of-paradise-flower)	Jamaica, Panama	-----	-----	2	Fla., N.Y.
Zingiber sp. (ginger)	Hawaii	2	-----	-----	Hawaii.
Pentamerismus oregonensis McG. (Tenuipalpidae):					
Juniperus chinensis (pyramid Chinese juniper) dwarf.	Japan	-----	-----	1	N.Y.
Juniperus sp.	----do	-----	-----	1	Calif.*
Periphyllus aceris (Koch) (Aphidae):					
Acer pseudoplatanus (sycamore maple)	France	-----	1	-----	Mass.
Acer sp.	----do	-----	1	-----	N.Y.
Perkinsiella saccharicida Kirk. (Delphacidae):					
Anthurium sp.	Hawaii	1	-----	-----	Hawaii.
Phalonia zephyrana (Treit.) (Phaloniidae):					
Daucus carota var. *sativa* (carrot)	Italy	-----	4	-----	Fla., Pa.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Phaneroptera furcifera Stal (Tettigonidae):					
Airplane	Guam		1		Hawaii.
Pheidole megacephala (F.) (Formicidae):					
Alpinia purpurata (cut flower)	Hawaii	2			Hawaii.
Anacharis sp. (waterweed)	Cuba			1	Fla.
Ananas comosus (pineapple)	do	2			Fla.
Bromeliad	British Honduras			7	Fla.
Calliandra sp.	Singapore			1	Hawaii.
Capsicum annuum (pepper)	Hawaii	1			Hawaii.
Cibotium sp. (fern)	do			1	Hawaii.
Coccoloba uvifera (seagrape)	Bermuda	1			Mass.
Cocos nucifera (coconut)	Hawaii	3		1	Hawaii.
Cordyline terminalis (tl)	do	1		1	Hawaii.
Crotalaria sp.	do	1			Hawaii.
Cycas revoluta (sago palm)	Okinawa			1	Hawaii.
Dalbergia sp. (rosewood) log	Brazil	1			La.
Debris	Bahamas		1		Fla.
Flowers	Bermuda	1			N.Y.
Food	Hawaii	1			Hawaii.
Hibiscus sp.	Bermuda			1	N.Y.
Ipomoea batatas (sweetpotato)	Hawaii	1			Hawaii.
Ixora chinensis (lei)	Fiji	1			Hawaii.
Lansium domesticum (langsat)	Philippines	1			Hawaii.
Lathyrus odoratus (sweetpea)	Bermuda	1			N.Y.
Mail package	Hawaii	1			Hawaii.
Musa sp. (rhizome)	Solomon Islands			1	D.C.
Orchid	British Honduras, Canal Zone, Hawaii, Honduras, Mexico.	1		9	Fla., Hawaii.
Plant—unidentified	Singapore			1	Hawaii.
Plumeria sp.	Hawaii			1	Hawaii.
Prunus persica (peach)	Portugal		1		Fla.
Saccharum officinarum (sugarcane)	St. Kitts	1			Am. V.I.
Samanea saman (raintree saman) log	Fiji	3			Hawaii.
Soil with *Mentha* sp. (mint) plant	Cuba			1	N.Y.
Waterlily	do	1			Fla.
Phenacaspis cockerelli (Cooley) (Coccidae):					
Mangifera indica (mango)	Philippines		1		Hawaii.
Philaspis bivulnerata (Boh.) (Chrysomelidae):					
Baggage (with artificial flowers)	Mexico	1			Ill.
Phlyctinus callosus Boh. (Curculionidae):					
Vitis sp. (grape)	Republic of South Africa	5			N.Y.
Phoebolampta excellens (Walk.) (Tettigoniidae):					
Quarters	Haiti		1		Tex.
Phorodon menthae (Buckt.) (Aphidae):					
Mentha piperita f. *rubescens*	Bulgaria			1	D.C.
Mentha sp. (mint)	England, Mexico	1		1	Calif., N.Y.
Phricodus hystrix (Germ.) (Pentatomidae):					
Sesamum angolense	Republic of South Africa			1	D.C.
Phurys immunis Guen. (Noctuidae):					
Airplane	Dominican Republic		1		Fla.
Phyllophaga analis (Burm.) (Scarabaeidae):					
Manihot sp. (cassava)	Cuba	1			N.Y.
Phytomyza atricornis Meig. (Agromyzidae):					
Chrysanthemum sp.	Bahamas, France	8			Fla., N.Y., Ohio.
Phytomyza rufipes Meig. (Agromyzidae):					
Brassica oleracea var. *botrytis* (cauliflower)	Belgium, England, Netherlands.		20		N.Y., Pa., Tex.
B. oleracea var. *capitata* (cabbage)	Belgium, England, Germany.		3		N.Y., Pa.
B. rapa (turnip)	England		1		Tex.
Cichorium endivia (endive)	Belgium, Netherlands	11	1		Mass., N.Y.
C. intybus (chicory)	Belgium	2			N.Y.
Lactuca sativa (lettuce)	Netherlands		1		Pa.
Raphanus sativus (radish)	Unknown		1		N.Y.
Pieris brassicae (L.) (Pieridae):					
Brassica oleracea var. *capitata* (cabbage)	Italy		2		N.Y.
Lactuca sativa (lettuce)	Azores		1		N.Y.
Military cargo	Greece, Morocco	3			N.Y., S.C.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Pinnaspis buxi (Bouché) (Coccidae):					
Cocos nucifera (coconut)	Cuba			1	Fla.
Cordyline terminalis (ti)	Hawaii, Panama	8		3	Fla., Hawaii.
Cordyline sp.	Hawaii	1		1	Hawaii.
Palm (leaf)	Japan		1		Calif.*
Philodendron sp.	Hawaii			1	Hawaii.
Scindapsus sp. (ivy-arum) leaf	do			1	Hawaii.
Pinnaspis caricis Ferris (Coccidae):					
Ophiopogon sp. (lilyturf)	Puerto Rico			1	D.C.
Pinnaspis theae (Mask.) (Coccidae):					
Camellia sasanqua	Formosa			1	D.C.
Pityogenes chalcographus (L.) (Scolytidae):					
Conifer (dunnage)	Belgium, Germany		2		Fla.
Plagiomorpha scabricula (Stal) (Chrysomelidae):					
Cactus	Mexico			1	Tex.
Plagionotus arcuatus (L.) (Cerambycidae):					
Pinus sp. (pine) dunnage	Unknown		1		Ohio.
Platoeceticus symmicta Dyar (Psychidae):					
Musa paradisiaca (plantain)	Guatemala	1			Fla.
Platynota rostrana (Wlk.) (Tortricidae):					
Ananas comosus (pineapple)	Mexico	1			Tex.
Platypus rugulosus Chap. (Platypodidae):					
Nectandra rodiei (greenhart) piling	British Guiana	1			Tex.
Plusia orichalcea (F.) (Noctuidae):					
Allium sativum (garlic)	Spain		1		Mich.
Podisus lineolatus (Herrich-Schaeffer) (Pentatomidae):					
Tillandsia sp.	Mexico			1	Tex.
Polyancistrus serrulatus (P. de B.) (Tettigoniidae):					
Orchid	Dominican Republic			1	Fla.
Polyglypta costata Burm. (Membracidae):					
Bromeliad	Mexico			1	Tex.
Polytus mellerborgi (Boh.) (Curculionidae):					
Musa acuminata (rhizome)	Philippines			1	D.C.
Musa sp. (rhizome)	do			1	D.C.
Popillia lewisi Arrow (Scarabaeidae):					
Airplane	Okinawa		3		Hawaii.
Porphyrobaphe iostoma Sowerby (Bulimulidae):					
Musa paradisiaca var. *sapientum* (banana)	Ecuador, unknown	7			Calif.,* La., N.Y.
Quarters	Ecuador		1		Fla.
Praeacedes thecophora (Wlsm.) (Tineidae):					
Dendrobium sp. (orchid)	Hawaii			1	Hawaii.
Praya oleellus (F.) (Hyponomeutidae):					
Olea europaea (olive)	Italy	4		1	N.Y.
Procryptotermes hubbardi (Banks) (Kalotermitidae):					
Wood—unidentified	Mexico	1			Ariz.
Prodenia litura (F.) (Noctuidae):					
Capsicum annuum (pepper)	Israel		1		N.Y.
Protopulvinaria longivalvata Green (Coccidae):					
Leaf—unidentified	Guatemala	1			Tex.
Piper nigrum (black pepper) leaf	Puerto Rico			1	D.C.
Protopulvinaria pyriformis (Ckll.) (Coccidae):					
Gardenia jasminoides (leaf)	Cuba	2			Fla.
Pseudacysta perseae (Heid.) (Tingidae):					
Persea americana (avocado)	Mexico	1			Tex.
Pseudaonidia clavigera (Ckll.) (Coccidae):					
Gardenia sp. (leaf)	Hawaii			1	Calif.*
Hibiscus sp.	do			1	Hawaii.
Pseudaonidia trilobitiformis (Green) (Coccidae):					
Citrus aurantiifolia (lime)	Brazil		2		N.Y.
C. limon (lemon)	Argentina, Brazil	1	12		Calif.,* Fla., N.Y., P.R.
C. sinensis (sweet orange)	Brazil		2		Calif.*
Ixora coccinea (leaf)	Jamaica		1		Calif.*
Mangifera indica (mango)	Philippines	1			Hawaii.
Pseudischnaspis alienus (Newst.) (Coccidae):					
Cattleya sp. (orchid) leaf	British Honduras, Costa Rica, Guatemala.			4	Fla., Tex.
Epidendrum sp. (orchid)	British Honduras			1	Tex.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Pseudischnaspis alienus—Continued					
Oncidium baueri (orchid)	Canal Zone	-----	-----	1	Wash.
Oncidium sp. (orchid)	do	-----	-----	1	Tex.
Orchid	British Honduras, Guatemala, Honduras, Mexico, Panama.	-----	-----	6	Calif.,* Fla., La., Tex.
Pseudischnaspis bowreyi (Ckll.) (Coccidae):					
Agave sp.	Jamaica	-----	-----	1	Fla.
Pseudischnaspis longissima (Ckll.) (Coccidae):					
Citrus sinensis (sweet orange)	Costa Rica	-----	1	-----	Calif.
Pseudococcus azaleae (Tins.) (Coccidae):					
Rhododendron sp.	Japan	-----	-----	1	N.J.
Pseudococcus boninsis (Kuw.) (Coccidae):					
Saccharum officinarum (sugarcane)	Australia, Bahamas, Nigeria.	2	1	-----	Bahamas, Hawaii, Mass.
Pseudococcus citriculus Green (Coccidae):					
Citrus reticulata (Mandarin orange)	Japan	-----	1	-----	Hawaii.
Pseudococcus cocotis (Mask.) (tentative) (Coccidae):					
Cocos nucifera (coconut) leaf	Christmas Island	-----	1	-----	Hawaii.
Pseudococcus gahani Green (Coccidae):					
Citrus limon (lemon)	Unknown	-----	1	-----	N.Y.
Diospyros kaki (kaki persimmon)	Chile	1	-----	-----	Fla.
Protea sp. (cut flower)	Republic of South Africa.	1	-----	-----	N.Y.
Pseudococcus giffardi Ehrh. (Coccidae):					
Pandanus odoratissimus	Hawaii	1	-----	-----	Hawaii.
Pseudococcus lilacinus (Ckll.) (Coccidae):					
Psidium guajava (guava)	Philippines	1	-----	-----	Wash.
Pseudococcus mali (Ezzat & McConnell) (tentative) (Coccidae):					
Cordyline terminalis (ti) leaf	Hawaii	1	-----	-----	Hawaii.
Pseudococcus neobrevipes (Beardsley) (Coccidae):					
Basella alba (white vinespinach)	Palmyra Island	1	-----	-----	Hawaii.
Pseudococcus palmarum (Ehrh.) (Coccidae):					
Cocos nucifera (coconut)	Hawaii	11	-----	3	Calif.,* Hawaii.
Pseudococcus pini (Kuw.) (Coccidae):					
Pinus parviflora (Japanese white pine)	Japan	-----	-----	1	Hawaii.
"Pseudoparlatoria" giffardi Adachi & Fullaway (Coccidae):					
Araucaria sp.	Hawaii	1	-----	-----	Hawaii.
Pseudoparlatoria ostreata Ckll. (Coccidae):					
Bromeliad	Brazil	-----	-----	1	Fla.
Psylla mali (Schmid.) (Psyllidae):					
Malus sp. (apple) scion	Switzerland	-----	-----	1	Wash.
Ptilia versicolor (Klug) (Argidae):					
Tillandsia sp.	Mexico	-----	-----	1	Tex.
Pulvinaria aurantii Ckll. (Coccidae):					
Citrus aurantium (sour orange)	Japan	-----	1	-----	Calif.*
Pulvinaria psidii Mask. (Coccidae):					
Alpinia purpurata	Hawaii	4	-----	-----	Hawaii.
Gardenia jasminoides	do	3	-----	1	Calif.,* Hawaii.
Hedychium sp. (ginger lily) leaf	do	1	-----	-----	Hawaii.
Litchi chinensis (lychee)	Okinawa	-----	1	-----	Hawaii.
Pulvinaria urbicola Ckll. (?) (Coccidae):					
Zingiber spectabile (redbract ginger)	Hawaii	1	-----	-----	Hawaii.
Puto barberi (Ckll.) (Coccidae):					
Seed pod—unidentified	Colombia	1	-----	-----	Calif.*
Puto mexicanus (Ckll.) (Coccidae):					
Cephalocereus senilis (oldman cactus)	Mexico	-----	-----	1	Tex.
Epidendrum vitellinum (orchid)	do	-----	-----	1	Hawaii.
Trichopilia tortilis (orchid)	do	-----	-----	1	Hawaii.
Puto ulter Ferris (Coccidae):					
Cypripedium sp. (orchid)	Guatemala	-----	-----	1	Calif.*
Laelia superbiens (orchid)	do	-----	-----	1	Tex.
Odontoglossum grande (orchid)	do	-----	-----	1	Tex.
Odontoglossum var.	do	-----	-----	1	Calif.*
Oncidium sp. (orchid)	do	-----	-----	1	Calif.*
Orchid	do	-----	-----	3	Ariz., Fla.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Rehimena phrynealis Wlk. (Pyraustidae):					
Airplane	Philippines (?)	-----	1	-----	Hawaii.
Reticulitermes speratus (Kolbe) (Rhinotermitidae):					
Wood—unidentified	Japan	1	-----	-----	Hawaii.
Rhagoletis alternata (Fall.) (?) (Tephritidae):					
Rosaceae (berry)	Italy	1	-----	-----	N.Y.
Rhagoletis cerasi (L.) (Tephritidae):					
Prunus sp. (cherry)	Czechoslovakia, Denmark, France, Germany, Greece, Hungary, Israel (?), Italy, Netherlands, Poland, Portugal, Spain, unknown.	40	29	-----	Calif.,* Ill., Mass., Mich., N.Y.
Rhagoletis cerasi (L.) (?) (Tephritidae):					
Prunus sp. (cherry)	Italy	-----	1	-----	Mass.
Rhaphogaster nebulosa (Poda) (Pentatomidae):					
Military cargo	Spain	1	-----	-----	La.
Rhynchites auratus (Scop.) (Curculionidae):					
Prunus spinosa (sloe) seed	Scotland	-----	-----	1	N.J.
Rhynchotermes nasutissimus (Silv.) (Termitidae):					
Bromeliad	Peru	-----	-----	1	Fla.
Rhyparochromus pini (L.) (Lygaeidae):					
Fragaria sp. (strawberry)	Germany	-----	-----	1	Ill.
Ribua innoxia Hein. (Phycitidae):					
Ananas comosus (pineapple)	Cuba, Dominican Republic.	21	-----	-----	Fla., N.Y.
Rumina decollata (L.) (Achatinidae):					
Soil	Italy	1	-----	-----	N.Y.
Sardia pluto (Kirk.) (Delphacidae):					
Airplane	South Pacific	-----	1	-----	Hawaii.
Schoenobius incertulas (Wlk.) (Schoenoblidae):					
Airplane	Unknown	-----	1	-----	Hawaii.
Selenothrips rubrocinctus (Giard) (Thripidae):					
Codiaeum sp. (leaf)	Hawaii	1	-----	-----	Hawaii.
Orchid (leaf)	Peru	-----	-----	1	Fla.
Sesamia cretica Led. (Noctuidae):					
Sorghum vulgare (sorghum) stalk	Italy	1	-----	-----	Md.
Sesamia inferens (Wlk.) (Noctuidae):					
Oryza sativa (rice)	Japan	-----	1	-----	Hawaii.
Sesamia nonagrioides (Lef.) (Noctuidae):					
Zea mays (corn) stalk	Spain	1	-----	-----	N.Y.
Sessinia livida (Fab.) (Oedemeridae):					
Airplane	Canton Island, Christmas Island.	-----	3	-----	Hawaii.
Sinoxylon anale Lesne (Bostrichidae):					
Wood (crate)	India	1	-----	-----	Mass.
Sinoxylon conigerum Gerst. (Bostrichidae):					
Airplane	Okinawa (?)	-----	1	-----	Hawaii.
Mail package	Hawaii	1	-----	-----	Hawaii.
Wood (crate)	England, India, Pakistan.	5	-----	-----	Calif.,* Fla., N.Y., S.C.
Sinoxylon ruficorne Fahr. (Bostrichidae):					
Wood (crate)	Angola	1	-----	-----	N.Y.
Siphanta acuta (Wlk.) (Flatidae):					
Alpinia purpurata (cut flower)	Hawaii	1	-----	-----	Hawaii.
Anthurium sp. (cut flower)	do	1	-----	-----	Hawaii.
Metrosideros sp. (ironwood)	do	1	-----	-----	Hawaii.
Phaeomeria magnifica (cut flower)	do	1	-----	-----	Hawaii.
Sitona hispidula (F.) (Curculionidae):					
Bagging	Germany	1	-----	-----	Wis.
Debris	do	-----	1	-----	Wis.
Sitona lineata (F.) (Curculionidae):					
Leaf—unidentified	Portugal	-----	1	-----	N.Y.
Plant—unidentified	Netherlands	-----	-----	2	N.J.
Syringa sp. (lilac) cut flower	do	2	-----	-----	N.Y.
Solaropsis monile (Broderip) (Camaenidae):					
Musa paradisiaca var. *sapientum* (banana)	Ecuador	3	-----	-----	Ala., Fla.
Solenopsis saevissima richteri Forel. (Formicidae):					
Juglans regia (English walnut)	South America (country (?)).	-----	1	-----	Fla.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nomentry	Propagation	
Sparedrus depressus (Champ.) (Oedemeridae):					
Orchid	Mexico	-----	-----	1	Tex.
Sparteus villosus (F.) (Bruchidae):					
Laburnum alpinum (seed)	Italy	-----	-----	1	N.J.
L. anagyroides (seed)	do	-----	-----	1	N.J.
Specularius erythrinae Bridw. (Bruchidae):					
Erythrina abyssinica (seed)	Federation of Rhodesia and Nyasaland.	-----	-----	1	N.J.
E. humeana (Hume coralbean) seed	Federation of Rhodesia and Nyasaland, Republic of South Africa.	-----	-----	2	N.J.
Erythrina sp.	Federation of Rhodesia and Nyasaland.	-----	-----	1	N.J.
Stator limbatus (Horn) (Bruchidae):					
Legume (seed)	Hawaii	-----	-----	1	Hawaii.
Pithecellobium mexicanum (seed)	Mexico	-----	-----	1	Ariz.
Samanea saman (raintree saman) seed	Hawaii	1	-----	-----	Hawaii.
Stator pruininus (Horn) (Bruchidae):					
Dianthus caryophyllus (carnation) lei	do	2	-----	-----	Hawaii.
Leucaena leucocephala (seed)	do	1	-----	-----	Hawaii.
Steneotarsonemus laticeps (Halb.) (Tarsonemidae):					
Narcissus sp. (bulb)	England, Ireland, Northern Ireland.	-----	-----	266	N.J.
Stenoma catenifer Wlsm. (Stenomidae):					
Persea americana (avocado)	Brazil, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama.	22	-----	1	Ariz., Calif.,* Fla., La., Tex.
Stenoptilia stigmatodactyla Zell. (Pterophoridae):					
Gentiana sp. (cut bloom)	Switzerland	2	-----	-----	N.Y.
Stephanitis pyri (F.) (Tingidae):					
Chrysanthemum sp.	Greece	-----	-----	1	N.Y.
Stephanitis pyrioides (Scott) (Tingidae):					
Rhododendron sp. (azalea)	Japan	-----	-----	1	Hawaii.
Stephanitis typica (Dist.) (Tingidae):					
Garcinia sp. (fruit)	Philippines	1	-----	-----	Wash.
Stephanoderes hampei (Ferr.) (Scolytidae):					
Coffea arabica (Arabian coffee)	Brazil	-----	-----	1	D.C.
Sternochetus mangiferae (F.) (Curculionidae):					
Mangifera indica (mango)	Guam, Hawaii, India	29	14	2	Calif.,* Hawaii, Pa.
Sterrha inquinata (Scop.) (Geometridae):					
Anthemis sp. (camomile) tea	Yugoslavia	1	-----	-----	Ill.
Herbs (dried)	Italy	1	-----	-----	N.Y.
Stromatium longicorne (Newm.) (Cerambycidae):					
Airplane	Okinawa(?)	-----	1	-----	Hawaii.
Subulina octona (Brugulere) (Achatinidae):					
Bromeliad	Surinam	-----	-----	1	Fla.
Persea americana (avocado)	St. Lucia	-----	-----	1	P.R.
Subulitermes microsoma (Silv.) (Termitidae):					
Dalbergia sp. (rosewood) log	Brazil	1	-----	-----	La.
Suidasia medanensis Oud. (Acaridae):					
Secale cereale (rye) straw	France	1	-----	-----	Fla.
Sybra alternans (Wied.) (Cerambycidae):					
Baggage	Hawaii	1	-----	-----	Hawaii.
Syneda confirmans Wlk. (Noctuidae):					
Quarters	Bahamas	-----	1	-----	Fla.
Synyrias diffundens (Wlk.) (Noctuidae):					
Airplane	Venezuela	-----	1	-----	Fla.
Systole albipennis Wlk. (Eurytomidae):					
Stores	England	-----	1	-----	Fla.
Taeniothrips atratus (Hal.) (Thripidae):					
Callistephus chinensis (China-aster)	Norway	1	-----	-----	N.Y.
Calluna vulgaris (heather)	Canada, Scotland	2	-----	-----	N.Y., Wash.
Dianthus caryophyllus (carnation)	Germany, Hungary, Poland, unknown.	3	1	-----	Ill., N.Y.
Dianthus sp.	Norway, unknown	1	1	-----	N.Y.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Taeniothrips atratus—Continued					
Flowers—mixed	England, Germany, Poland.	7			Mass., N.Y.
Gladiolus hybrid	Hungary	1			N.Y.
Lathyrus odoratus (sweetpea)	England	1			Mass.
Lavandula sp. (lavender)	do			1	Mass.
Plant—unidentified	Netherlands			4	N.J.
Rosa hybrid	England, Poland	3			N.Y.
Taeniothrips dianthi Pr. (Thripidae):					
Dianthus caryophyllus (carnation)	Germany, Hungary	2			Ill., N.Y.
Dianthus sp.	Unknown		1		N.Y.
Flowers—mixed	Poland, unknown	2			N.J., N.Y.
Taeniothrips distalis Karny (Thripidae):					
Chrysanthemum morifolium	Japan	1			Hawaii.
Dianthus caryophyllus (carnation)	do	1			Hawaii.
Taeniothrips ericae (Hal.) (Thripidae):					
Calluna vulgaris (heather)	Norway, Scotland	4	1	2	Ill., Mass., N.Y.
Rosa hybrid	England	1			N.Y.
Taeniothrips gracilis Mlt. (Thripidae):					
Amaryllis sp. (bulb)	Japan			2	N.Y.
Gladiolus hybrid	Bermuda	1			N.Y.
Lathyrus odoratus (sweetpea)	do	1			N.Y.
Lycoris aurea (bulb)	Japan			2	Calif.,* N.Y.
L. sprengeri (bulb)	do			1	N.Y.
L. squamigera (bulb)	do			6	Calif.,* N.Y.
Lycoris sp. (bulb)	do			4	Calif.*
Narcissus tazetta (polyanthus narcissus)	Formosa			1	Hawaii.
Taeniothrips hawaiiensis (Morg.) (Thripidae):					
Dendrobium superbum (orchid)	Hawaii	1			Hawaii.
Flowers—mixed	do		1		N.Y.
Gardenia jasminoides	Australia, Hawaii	54	1		Hawaii.
G. taitensis	Hawaii	1			Calif.*
Orchid	do	2			Hawaii.
Oryza sativa (rice)	Ceylon	1			Hawaii.
Plumeria rubra (Mexican frangipani)	Hawaii	1			Hawaii.
Plumeria sp.	do	2			Hawaii.
Polianthes tuberosa (tuberose)	do	1			Hawaii.
Rosa hybrid	Australia		1		Hawaii.
Strongylodon macrobotrys	Hawaii	1			Hawaii.
Taeniothrips vitticornis (Karny) (Thripidae):					
Canavalia microcarpa	do	1			Hawaii.
Wood—unidentified	Philippines	1			Hawaii.
Talponia batesi Hein. (Olethreutidae):					
Annona cherimola (cherimoya)	Mexico	3			Calif., Tex.
Taphropeltus contractus Herrich-Schaeffer (Lygaeidae):					
Fragaria sp. (strawberry)	France			1	N.Y.
Targionia glomerata (Green) (Coccidae):					
Saccharum sp.	India			1	D.C.
"*Targionia*" *hartii* (Ckll.) (Coccidae):					
Arum sp.	Dominican Republic	1			N.Y.
Dioscorea sp. (yam)	Anguilla, Cuba, St. Lucia.	3			Fla., N.Y., P.R.
Zingiber officinale (ginger)	Federation of Malaya, Fiji, unknown.	4			Calif.,* Ill., Mass., Wash.
"*Targionia*" *sacchari* (Ckll.) (Coccidae):					
Cymbopogon citratus (lemongrass)	Puerto Rico			1	D.C.
Saccharum officinarum (sugarcane)	Barbados	1			N.Y.
Saccharum spp.	Cuba			1	D.C.
Targionia vitis (Sign.) (Coccidae):					
Vitis sp. (grape) cutting	Italy			1	N.Y.
Taylorilygus pallidulus (Blanch.) (Miridae):					
Cucumis sativus (cucumber)	Mexico	1			Ariz.
Tenthecoris bicolor Scott (Miridae):					
Orchid	British Honduras, Mexico.			2	Fla., Tex.
Tenthecoris confusus Hsiao & Sailer (Miridae):					
Orchid	British Honduras, El Salvador.			2	Fla.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Tenthecoris distinctus Hsiao & Sailer (Miridae):					
Amaryllis sp.	Peru			1	Fla.
Orchid	Mexico, Peru			2	Fla., Tex.
Tenthecoris vestitus (Dist.) (Miridae):					
Oncidium sp. (orchid) leaf	Nicaragua			1	Fla.
Tenuipalpus japonicus Ehara (Tenuipalpidae):					
Diospyros sp. (persimmon)	Japan	1			Wash.
Tenuipalpus pacificus Baker (Tenuipalpidae):					
Phalaenopsis sp. (orchid)	Philippines			1	Hawaii.
Vandopsis sp. (orchid)	do			1	Hawaii.
Tenuirostritermes cinereus (Buckley) (Termitidae):					
Railway car	Mexico		1		Tex.
Termes hispaniolae (Banks) (Termitidae):					
Schomburgkia sp. (orchid)	Grand Cayman			1	Fla.
Tetranychus cinnabarinus (Bois.) (Tetranychidae):					
Citrus limon (lemon)	Italy	1			N.Y.
Rosa hybrid (rose) leaf	Argentina		1		Fla.
Tetranychus ludeni Zacher (Tetranychidae):					
Citrus limon (lemon)	Italy	1			N.Y.
Tetranychus neocalidonicus Andre (Tetranychidae):					
Arum sp.	Hawaii			1	Hawaii.
Tetranychus viennensis Zacher (Tetranychidae):					
Malus sylvestris (apple)	Germany, Japan, unknown.	1	2		Fla., N.C., Wash.
Tetrapriocera longicornis (Ol.) (Bostrichidae):					
Wood (crate)	Cuba	4			Fla.
Thaumatomyia notata flavifrons Macq. (Chloropidae):					
Airplane	Morocco	1			Fla.
Theba pisana (Müller) (Helicidae):					
Anthemis sp. (camomile)	Spain	1			P.R.
Beta vulgaris (beet)	Unknown		1		Mich.
Brassica oleracea var. *capitata* (cabbage)	France, Italy		2		N.Y., Va.
Citrus sinensis (sweet orange)	Morocco		1		S.C.
Lactuca sativa (lettuce)	France, Italy		2		N.Y.
L. sativa var. *longifolia* (romaine lettuce)	France		1		N.Y.
Military cargo	France, Italy, Libya, Morocco, Spain, Turkey, unknown.	54			La., N.Y., N.C., S.C. Va.
Mollusks	France		1		N.Y.
Quarters	Spain		1		Va.
Thrips angusticeps Uzel (Thripidae):					
Cynara scolymus (artichoke)	Spain	1			N.Y.
Lactuca sativa (lettuce)	England, unknown		3		N.Y.
Thrips flavus Schrank (Thripidae):					
Althaea sp.	France			1	N.J.
Calluna vulgaris (heather)	Scotland	1		1	Mass., N.Y.
Chrysanthemum morifolium	Japan, unknown	1	1		Mass., Hawaii.
Flowers—mixed	Germany, Scotland	2			N.Y.
Gladiolus hybrid	Hungary	1			N.Y.
Paeonia suffruticosa (tree peony)	Japan			1	N.J.
Plant—unidentified	Netherlands			5	N.J.
Rosa hybrid	Denmark, Germany	3	1		Ill., N.Y.
Soil sample	Ireland	1			N.Y.
Thrips imaginis Bgn. (Thripidae):					
Flowers—mixed	Australia	1	1		Hawaii.
Gladiolus hybrid	do	1			Hawaii.
Thrips major Uzel (Thripidae):					
Calluna vulgaris (heather) cut flower	Germany	1			Ill.
Convallaria majalis (lily-of-the-valley)	Unknown		1		N.Y.
Ficus carica (fig)	Italy	1			Mass.
Flowers—mixed	Denmark, Scotland	2			N.Y.
Rosa hybrid	Azores, England, France, Germany.	8		1	Ill., Mass., N.Y.
Thyanta pallidovirens (Stal) (Pentatomidae):					
Chrysanthemum sp.	Mexico	1			Tex.
Thysanococcus chinensis Stickney (Coccidae):					
Calamus sp. (rattan palm)	Australia	1			Calif.*

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Toxoptera citricidus (Kirk.) (Aphidae):					
Leaf	Hawaii	1			Hawaii.
Trialeurodes vitrinellus Ckll. (Aleyrodidae):					
Citrus sp. (leaf)	Mexico	1			Tex.
Trionymus lounsburyi (Brain) (Coccidae):					
Crassula marnierana	Netherlands			1	D.C.
Trionymus sacchari (Ckll.) (Coccidae):					
Saccharum officinarum (sugarcane)	Cuba, Hawaii, Mexico, Peru.	3		3	D.C., Fla., Hawaii, Tex.
Saccharum sp.	Barbados, Cuba, Hawaii.			3	D.C.
Trogoderma granarium Everts (Dermestidae):					
Acacia senegal (gum arabic)	Sudan, United Arab Republic.	29			Mass., N.Y.
Anogeissus latifolia (gum ghatti)	India	3			N.Y.
Apium graveolens (celery) seed	do	4			N.Y., N.C.
Arachis hypogaea (peanut)	Nigeria, Senegal, unknown.		3		Ohio, Tex.
Bagging (including used burlap and wrappers on cinnamon, cotton waste, gum karaya, guar gum, pigeonpea, rice, stores, etc.).	Ceylon, England, India, Mozambique, Netherlands, Pakistan, Singapore, Sudan, Thailand, United Arab Republic, unknown.	26	15		Ga., Md., N.Y., N.C., Pa., S.C., Tex.
Cicer arietinum (chickpea)	India		2		Md., Va.
Cinnamomum sp.	Ceylon	4			N.Y.
Corylus avellana (filbert) nut	Kuwait	1			Mass.
Cuminum cyminum (cumin) seed	India	1			N.Y.
Cyamopsis tetragonoloba (guar gum)	India, Pakistan	10			N.Y., N.C., S.C.
Debris	Unknown		1		Ill.
Food—miscellaneous	India		1		Wash.
Gossypium sp. (cottonseed)	do			1	D.C.
Gum—unidentified	India, Sudan	2			N.Y.
Karaya gum	India, Pakistan	7			N.Y., N.C.
Manihot esculenta (common cassava)	Singapore		1		N.Y.
Oryza sativa (rice)	China, Formosa, Hong Kong, India, Iraq, Japan, Korea, Pakistan, Philippines(?), Thailand, United Arab Republic, unknown.	1	18		Calif.,* Fla., Hawaii, Mass., N.Y.,N.C. Pa., Tex.
Palaquium gutta (gutta-percha)	Nigeria	1			N.Y.
Phaseolus lunatus (lima bean)	India		1		N.C.
Phaseolus sp. (bean) dry	Formosa		1		Calif.*
Pistacia sp. (pistache) nut	Pakistan	3			N.Y.
Pisum sativum (pea)	Greece		1		La.
Quarters (hold of ship)	Unknown		8		Calif.,* Ill., Mich., S.C
Secale cereale (rye) straw	France	1			Mass.
Stores (including bean, chickpea, corn, flour, grits, lentil, macaroni, noodles, pigeonpea, sesame seed, soybean, and miscellaneous dry stores)	Formosa, Germany, Greece, Hong Kong, India, Italy, Japan, Netherlands (?), Singapore, United Arab Republic, unknown.		37		Calif.,* La., Md.,Mich., N.Y.,N.C., Pa., S.C., Tex.
Terminalia sp. (myrobalan)	India	13	1		Md., N.Y., S.C., Va.
Triticum aestivum (wheat)	do	1			Va.
Zingiber officinale (ginger)root)	Federation of Malaya, Singapore.	2			N.Y.
Trogoxylon aequale (Woll.) (Lyctidae):					
Wood—unidentified	Philippines	2			Ala., Hawaii
Trogoxylon prostomoides (Gorh.) (Lyctidae):					
Swietenia mahagoni (mahogany) bowl	Haiti	1			Fla.
Tropidacris latreillei (Perty) (Acrididae):					
Baggage (in envelope)	Trinidad	1			Fla.
Quarters (deck of ship)	Unknown		1		Pa.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Tyrophagus oudemansi Robertson (Acaridae):					
Calluna vulgaris (heather)	Scotland			1	N.Y.
Daucus carota var. *sativa* (carrot)	Germany		1		Fla.
Fragaria sp. (strawberry)	France			1	N.Y.
Tyrophagus tropicus Robertson (Acaridae):					
Nephrolepis exaltata (common swordfern)	Hawaii			1	Hawaii.
Udea ferrugalis (Hbn.) (Pyraustidae):					
Solanum melongena (eggplant)	Italy		1		N.Y.
Unaspis citri (Comst.) (Coccidae):					
Citrus aurantifolia (lime)	Brazil, Cuba, Panama	2	2		Calif.,* Fla.
C. aurantium (sour orange)	Japan		1		Calif.*
C. aurantium var.	do		2		Calif.*
C. ichangensis x *C. reticulata* (ichandarin)	do		1		Calif.*
C. paradisi (grapefruit)	Panama (?), West Indies.		2		Calif.*
C. reticulata (Mandarin orange)	Japan		1		Calif.*
C. sinensis (sweet orange)	Brazil, Cuba, Haiti, Mexico.	5	3		Calif.,* Fla., N.C.
Unaspis yanonensis (Kuw.) (Coccidae):					
Citrus aurantifolia (lime)	Japan, Philippines	2	7		Calif.,* Hawaii.
C. aurantium (sour orange)	Japan	1	31		Calif.*
C. aurantium var.	do		2		Calif.*
C. ichangensis var. (ichang bitter-orange)	do		6		Calif.*
C. ichangensis x *C. reticulata* (ichandarin)	do		1		Calif.*
C. limon (lemon)	do		17		Calif.*
C. paradisi (grapefruit)	do	2	12		Calif.,* Hawaii.
C. paradisi x *C. reticulata* (tangelo)	do	1	1		Hawaii.
C. reticulata (Mandarin orange)	do	39	168		Calif.,* Hawaii, N.Y.
C. reticulata hydrid (King orange)	do	1	3		Hawaii.
C. sinensis (sweet orange)	Japan, Philippines	9	161		Calif.,* Hawaii, N.Y., Pa.
Citrus sp.	Japan		3		Calif.,* Hawaii.
Valtissius diversus (Dist.) (Lygaeidae):					
Orchid	Canal Zone, Guatemala			2	Fla.
Veronicella moreleti (Crosse & Fischer) (?) (Veronicellidae):					
Plant—unidentified	Costa Rica			1	Fla.
Vinsonia stellifera (Westw.) (Coccidae):					
Achras zapota (sapodilla) leaf	Cuba	1			Fla.
Brassia caudata (orchid)	Canal Zone			1	Wash.
Brassia sp.	Honduras, Jamaica			2	Fla.
Broughtonia sp. (orchid)	Jamaica			11	Fla.
Citrus sp. (leaf)	Dominican Republic	1			N.Y.
Cocos nucifera (coconut) frond	Trinidad	2			Am. V.I.
Epidendrum atropurpureum (orchid)	Costa Rica			1	Fla.
E. fragrans	Trinidad			1	Fla.
E. stamfordianum	Canal Zone			1	Fla.
Heliconia sp. (leaf)	Haiti, unknown	2			Fla., N.Y.
Lycaste sp. (orchid)	Venezuela			1	Fla.
Oncidium powellii (orchid)	Canal Zone			1	Calif.*
Oncidium sp.	Ecuador			1	Fla.
Orchid	American Virgin Islands, Antigua, Bahamas, British Guiana, British Honduras, Canal Zone, Cuba, Dominica, Honduras, Jamaica, Kenya, Mexico, Nicaragua, Panama, Peru, Trinidad, unknown.			33	Calif.,* Fla., La., N.Y., P.R.
Trigonidium sp. (orchid)	British Honduras			1	Fla.
Xiphidiopsis lita Heb. (Tettigoniidae):					
Cymbidium sp. (orchid)	Hawaii	1			Hawaii.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Xiphistes furcicornis (Germ.) (Membracidae): *Vitis* sp. (grape)	Republic of South Africa.	1			N.Y.
Xylobiops parilis Lesne (Bostrichidae): Orchid	Mexico			1	Tex.
Xylobiops sextuberculatus (LeC.) (Bostrichidae): Debris	do		1		Tex.
Xylomeira torquata (F.) (Bostrichidae): Airplane	Unknown		1		P.R.
Xylopsocus castanoptera (Fairm.) (Bostrichidae): Airplane	Japan (?)		1		Hawaii.
Zeadiatraea lineolata (Wlk.) (Crambidae): *Zea mays* (corn)	Honduras	1			Fla.
Zetha chavesi (Bol.) (Polyphagidae): Straw (jacket)	Azores	1			Mass.

Hosts and Insects

ACACIA:
Mimosestes sallaei (Coleoptera)
Trogoderma granarium (Coleoptera)
ACER:
Aceria macrorhynchus (Acarina)
Chrysomphalus inopinatus (Homoptera)
Lecanium coryli (Homoptera)
Periphyllus aceris (Homoptera)
ACHRAS:
Vinsonia stellifera (Homoptera)
AGAVE:
Aegiale hesperiaris (Lepidoptera)
Batrachedra linaria (Lepidoptera)
Chrysomphalus agavis (Homoptera)
Gymnococcus agavium (Homoptera)
Ligyrocoris nitidulus (Hemiptera)
Nysius tenellus (Hemiptera)
Pseudischnaspis bowreyi (Homoptera)
ALLIUM CEPA:
Aceria tulipae (Acarina)
Ecpantheria icasia (Lepidoptera)
Myzus ascalonicus (Homoptera)
ALLIUM PORRUM:
Acrolepia assectella (Lepidoptera)
ALLIUM SATIVUM:
Aceria tulipae (Acarina)
Brachycerus algirus (Coleoptera)
Dyspessa ulula (Lepidoptera)
Plusia orichalcea (Lepidoptera)
ALOCASIA:
Pentalonia nigronervosa (Homoptera)
ALPINIA:
Adoretus sinicus (Coleoptera)
Bradybaena similaris (Mollusca)
Pentalonia nigronervosa (Homoptera)
Pheidole megacephala (Hymenoptera)
Pulvinaria psidii (Homoptera)
Siphanta acuta (Homoptera)
ALTHAEA:
Thrips flavus (Thysanoptera)
ALYXIA:
Ceroplastes rubens (Homoptera)
AMARYLLIS:
Euborellia stali (Dermaptera)
Taeniothrips gracilis (Thysanoptera)
Tenthecoris distinctus (Hemiptera)
ANACHARIS:
Pheidole megacephala (Hymenoptera)
ANANAS:
Alpheias conspirata (Lepidoptera)
Pheidole megacephala (Hymenoptera)
Platynota rostrana (Lepidoptera)
Ribua innoxia (Lepidoptera)
ANNONA:
Anastrepha ludens (Diptera)
Aspidiotus destructor (Homoptera)
Bephrata maculicollis (Hymenoptera)
Brevipalpus phoenicis (Acarina)
Cerconota anonella (Lepidoptera)
Talponia batesi (Lepidoptera)
ANOGEISSUS:
Trogoderma granarium (Coleoptera)
ANTHEMIS:
Helicella variabilis (Mollusca)
Sterrha inquinata (Lepidoptera)
Theba pisana (Mollusca)
ANTHURIUM:
Bradybaena similaris (Mollusca)
Ceroplastes rubens (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Orthezia praelonga (Homoptera)
Perkinsiella saccharicida (Homoptera)
Siphanta acuta (Homoptera)
APIUM:
Euleia heraclei (Diptera)
Trogoderma granarium (Coleoptera)
ARACHIS:
Caryedon gonagra (Coleoptera)
Trogoderma granarium (Coleoptera)
ARAUCARIA:
Eriococcus araucariae (Homoptera)
Neophyllaphis araucariae (Homoptera)
"Pseudoparlatoria" giffardi (Homoptera)
ARECA:
Dacus dorsalis(?) (Diptera)
ARTOCARPUS:
Eutetranychus banksi (Acarina)
ARUM:
"Targionia" hartii (Homoptera)
Tetranychus neocalidonicus (Acarina)
ASIMINA:
Ceratitis capitata (Diptera)
ASTER:
Myzus ascalonicus (Homoptera)
BAMBOO:
Asterolecanium miliaris robustum (Homoptera)
Cryptoblabes gnidiella (Lepidoptera)
Dinoderus brevis (Coleoptera)
Minthea rugicollis (Coleoptera)
Myelobia smerinthus (Lepidoptera)
BAMBUSA:
Asterolecanium bambusae (Homoptera)
Heterobostrychus aequalis (Coleoptera)
BARRINGTONIA:
Ectomyelois ceratoniae (Lepidoptera)
BASELLA:
Pseudococcus neobrevipes (Homoptera)
BETA:
Gnorimoschema ocellatella (Lepidoptera)
Theba pisana (Mollusca)
BETULA:
Eriophyes leionotus (Acarina)
BIFRENARIA:
Asterolecanium epidendri (Homoptera)
BORASSUS:
Dinoderus brevis (Coleoptera)
BRASSIA:
Vinsonia stellifera (Homoptera)
BRASSICA OLERACEA VAR. BOTRYTIS:
Evergestis forficalis (Lepidoptera)
Helix aperta (Mollusca)
Limax marginatus (Mollusca)
Mamestra brassicae (Lepidoptera)
Otala lactea (Mollusca)
Phytomyza rufipes (Diptera)
BRASSICA OLERACEA VAR. CAPITATA:
Ecpantheria eridanus (Lepidoptera)
Epilachna 28-punctata (Coleoptera)
Helicella itala (Mollusca)
Helix aperta (Mollusca)
Hellula undalis (Lepidoptera)
Limax marginatus (Mollusca)
L. maximus (Mollusca)
Mamestra brassicae (Lepidoptera)
Monacha carthusiana (Mollusca)
Phytomyza rufipes (Diptera)
Pieris brassicae (Lepidoptera)
Theba pisana (Mollusca)
BRASSICA RAPA:
Phytomyza rufipes (Diptera)
BRASSICA SP.:
Mamestra brassicae (Lepidoptera)
Nysius raphanus (Hemiptera)
BROMELIA:
Isorhinus undatus (Coleoptera)
BROMELIAD:
Agroiconota propinqua (Coleoptera)
Arphnus melanotylus (Hemiptera)
Chrysomphalus umboniferus (Homoptera)
Clerada apicicornis (Hemiptera)
Cyrtomenus bergi (Hemiptera)
Dallasiellus orchidiphilus (Hemiptera)
Dysdercus minus (Hemiptera)
Iridomyrmex iniquus (Hymenoptera)
I. leucomelas (Hymenoptera)
Nasutitermes ephratae (Isoptera)
N. nigriceps (Isoptera)
Neolobophora ruficeps (Dermaptera)
Nudur fractivittarum (Lepidoptera)
Ogdoecosta biannularis (Coleoptera)
Paragonatas divergens (Hemiptera)
Pheidole megacephala (Hymenoptera)
Polyglypta costata (Homoptera)
Pseudoparlatoria ostreata (Homoptera)
Rhynchotermes nasutissimus (Isoptera)
Subulina octona (Mollusca)
BROSIMUM:
Chrysomphalus personatus (Homoptera)
BROUGHTONIA:
Asterolecanium epidendri (Homoptera)
Vinsonia stellifera (Homoptera)

Hosts and Insects—Continued

BUXUS:
Eriophyes canestrinii (Acarina)
CACTUS:
Amitermes wheeleri (Isoptera)
Aulacoscelis melanocera (Coleoptera)
Camirus moestus (Coleoptera)
Lepidosaphes philococcus (Homoptera)
Oxychilus alliarius (Mollusca)
Plagiomorpha scabricula (Coleoptera)
CAJANUS:
Ancylostomia stercorea (Lepidoptera)
Callosobruchus analis (Coleoptera)
Epinotia aporema (Lepidoptera)
Maruca testulalis (Lepidoptera)
CALAMUS:
Thysanococcus chinensis (Homoptera)
CALLIANDRA:
Pheidole megacephala (Hymenoptera)
CALLISTEPHUS:
Taeniothrips atratus (Thysanoptera)
CALLUNA:
Aphis callunae (Homoptera)
Gelechia ericetella (Lepidoptera)
Limothrips denticornis (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
T. ericae (Thysanoptera)
Thrips flavus (Thysanoptera)
T. major (Thysanoptera)
Tyrophagus oudemansi (Acarina)
CALOCARPUM:
Anastrepha mombinpraeoptans (Diptera)
A. serpentina (Diptera)
Chrysomphalus odontoglossi (Homoptera)
C. personatus (Homoptera)
CALOCHORTUS:
Pentalonia nigronervosa (Homoptera)
CALOPHYLLUM:
Dacus dorsalis (Diptera)
CAMELLIA:
Aleurotrachelus camelliae (Homoptera)
Aspidiotus degeneratus (Homoptera)
Ceronema japonica (Homoptera)
Fiorinia theae (Homoptera)
Pinnaspis theae (Homoptera)
CANANGA:
Bemisia tabaci (Homoptera)
CANAVALIA:
Lampides boeticus (Lepidoptera)
Maruca testulalis (Lepidoptera)
Taeniothrips vitticornis (Thysanoptera)
CAPSICUM:
Ceratitis capitata (?) (Diptera)
Frankliniella sulphurea (?) (Thysanoptera)
Gnorimoschema gudmannella (Lepidoptera)
Pheidole megacephala (Hymenoptera)
Prodenia litura (Lepidoptera)
CASSIA:
Aganactesis indecora (Lepidoptera)
Caryedon gonagra (Coleoptera)
Ectomyelois ceratoniae (Lepidoptera)
E. muriscis (Lepidoptera)
CASTANEA:
Hemimene juliana (Lepidoptera)
Laspeyresia splendana (Lepidoptera)
Ostrinia nubilalis (Lepidoptera)
CATASETUM:
Asterolecanium epidendri (Homoptera)
CATTLEYA:
Asterolecanium epidendri (Homoptera)
Eurytoma orchidearum (Hymenoptera)
Pseudischnaspis alienus (Homoptera)
CEDRUS:
Megastigmus suspectus pinsapinis (Hymenoptera)
CELOSIA:
Cryptoblabes gnidiella (Lepidoptera)
CEPHALOCEREUS:
Puto mexicanus (Homoptera)
CHAMAECYPARIS:
Diaspis juniperi (Homoptera)
CHAMAEDOREA:
Asterolecanium inlabefactum (Homoptera)
Calyptocephala marginipennis (Coleoptera)
Charidotis seminulum (Coleoptera)
Deloyala guttata (Coleoptera)
Helicina strebeli (Mollusca)
Labia arcuata (Dermaptera)
Parisoschoenus expositus (Coleoptera)
P. flavolimbatus (Coleoptera)
CHAMAEROPS:
Dactylotrypes wyttenboogaarti (Coleoptera)
CHRYSANTHEMUM:
Bryobia chari (Acarina)
Conotelus mexicanus (Coleoptera)
Frankliniella formosae (Thysanoptera)
Lygus lineolaris (Hemiptera)
Nysius tenellus (Hemiptera)
Ostrinia nubilalis (Lepidoptera)
Phytomyza atricornis (Diptera)
Stephanitis pyri (Hemiptera)
Taeniothrips distalis (Thysanoptera)
Thrips flavus (Thysanoptera)
Thyanta pallidovirens (Hemiptera)
CHRYSOPHYLLUM:
Anastrepha serpentina (Diptera)
CIBOTIUM:
Pheidole megacephala (Hymenoptera)
CICER:
Bruchus tristiculus (Coleoptera)
Trogoderma granarium (Coleoptera)
CICHORIUM:
Phytomyza rufipes (Diptera)
CINNAMOMUM:
Trogoderma granarium (Coleoptera)
CITRUS AURANTIFOLIA:
Aleurocanthus woglumi (Homoptera)
Anastrepha ludens (Diptera)
Chrysomphalus personatus (Homoptera)
Morganella longispina (Homoptera)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
Unaspis citri (Homoptera)
U. yanonensis (Homoptera)
CITRUS AURANTIUM:
Aleurocanthus spiniferus (Homoptera)
Aleurotuberculatus aucubae (Homoptera)
Anastrepha ludens (Diptera)
Pulvinaria aurantii (Homoptera)
Unaspis citri (Homoptera)
U. yanonensis (Homoptera)
CITRUS AURANTIUM VAR.:
Unaspis citri (Homoptera)
U. yanonensis (Homoptera)
CITRUS GRANDIS:
Morganella longispina (Homoptera)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
CITRUS ICHANGENSIS VAR.:
Unaspis yanonensis (Homoptera)
CITRUS ICHANGENSIS X C. RETICULATA:
Unaspis citri (Homoptera)
U. yanonensis (Homoptera)
CITRUS LIMON:
Aonidiella citrina (Homoptera)
Brevipalpus chilensis (Acarina)
B. obovatus (Acarina)
Ceratitis capitata (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Fiorinia proboscidaria (Homoptera)
Lorryia formosa (Acarina)
L. malt (Acarina)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
Pseudococcus gahani (Homoptera)
Tetranychus cinnabarinus (Acarina)
T. ludeni (Acarina)
Unaspis yanonensis (Homoptera)
CITRUS PARADISI:
Anastrepha ludens (Diptera)
Aonidiella citrina (Homoptera)
Brevipalpus phoenicis (Acarina)
Ceratitis capitata (Diptera)
Morganella longispina (Homoptera)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
Unaspis citri (Homoptera)
U. yanonensis (Homoptera)
CITRUS PARADISI X C. RETICULATA:
Unaspis yanonensis (Homoptera)

Hosts and Insects—Continued

CITRUS RETICULATA:
Aleurotuberculatus aucubae (Homoptera)
Brevipalpus obovatus (Acarina)
B. phoenicis (Acarina)
Ceratitis capitata (Diptera)
Morganella longispina (Homoptera)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
Pseudococcus citriculus (Homoptera)
Unaspis citri (Homoptera)
U. yanonensis (Homoptera)

CITRUS RETICULATA HYBRID:
Unaspis yanonensis (Homoptera)

CITRUS SINENSIS:
Aleurocanthus woglumi (Homoptera)
Aleurolobus marlatti (Homoptera)
Aleurotuberculatus aucubae (Homoptera)
Anastrepha ludens (Diptera)
Aonidiella citrina (Homoptera)
Aspidiotus destructor (Homoptera)
A. palmae (Homoptera)
Bemisia citricola (Homoptera)
Brevipalpus phoenicis (Acarina)
Ceratitis capitata (Diptera)
Chrysomphalus personatus (Homoptera)
Cryptoblabes gnidiella (Lepidoptera)
Ectomyelois ceratoniae (Lepidoptera)
Morganella longispina (Homoptera)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
Pseudischnaspis longissima (Homoptera)
Theba pisana (Mollusca)
Unaspis citri (Homoptera)
U. yanonensis (Homoptera)

CITRUS SINENSIS X PONCIRUS TRIFOLIATA:
Aonidiella citrina (Homoptera)

CITRUS SP.:
Aleurocanthus woglumi (Homoptera)
Aonidiella citrina (Homoptera)
Coccus viridis (Homoptera)
Dialeurodes citrifolii (Homoptera)
Parlatoria zizyphus (Homoptera)
Trialeurodes vitrinellus (Homoptera)
Unaspis yanonensis (Homoptera)
Vinsonia stellifera (Homoptera)

COCCOLOBA:
Pheidole megacephala (Hymenoptera)

COCOS:
Aspidiotus destructor (Homoptera)
A. excisus (Homoptera)
A. palmae (Homoptera)
A. pangoensis (Homoptera)
Blastobasis inana (Lepidoptera)
Chrysomphalus albopictus (Homoptera)
Diocalandra taitensis (Coleoptera)
Fiorinia theae (Homoptera)
Furcaspis oceanica (Homoptera)
Pheidole megacephala (Hymenoptera)
Pinnaspis buxi (Homoptera)
Pseudococcus cocotis (tentative) (Homoptera)
P. palmarum (Homoptera)
Vinsonia stellifera (Homoptera)

CODIAEUM:
Lepidosaphes tokionis (Homoptera)
Parlatoria crotonis (Homoptera)
Selenothrips rubrocinctus (Thysanoptera)

COFFEA:
Auximobasis coffeaella (Lepidoptera)
Brevipalpus phoenicis (Acarina)
Ceratitis capitata (Diptera)
Coccus alpinus (Homoptera)
C. viridis (Homoptera)
Ectomyelois ceratoniae (Lepidoptera)
Leucoptera coffeella (Lepidoptera)
Stephanoderes hampei (Coleoptera)

COLA:
Ceratitis colae (?) (Diptera)

COLOCASIA:
Palpifer sexnotatus (?) (Lepidoptera)

CONVALLARIA:
Thrips major (Thysanoptera)

CORDYLINE:
Bradybaena similaris (Mollusca)
Dacus dorsalis (?) (Diptera)
Pheidole megacephala (Hymenoptera)
Pinnaspis buxi (Homoptera)
Pseudococcus mali (tentative) (Homoptera)

CORYLUS:
Trogoderma granarium (Coleoptera)

CRASSULA:
Trionymus lounsburyi (Homoptera)

CRATAEGUS:
Grapholitha packardi (Lepidoptera)

CRESCENTIA:
Heterotermes cardini (Isoptera)

CRINUM:
Haplothrips gowdeyi (Thysanoptera)

CROTALARIA:
Pheidole megacephala (Hymenoptera)

CRYPTOMERIA:
Callidium rufipenne (Coleoptera)
Megastigmus cryptomeriae (Hymenoptera)

CUCUMIS:
Dacus cucurbitae (Diptera)
Dysdercus mimus (Hemiptera)
D. suturellus (?) (Hemiptera)
Ligyrocoris auriniliana (Hemiptera)
Taylorilygus pallidulus (Hemiptera)

CUCURBITA:
Dacus cucurbitae (Diptera)

CUMINUM:
Trogoderma granarium (Coleoptera)

CUPRESSUS:
Callidium rufipenne (Coleoptera)
Forficula senegalensis (Dermaptera)

CYAMOPSIS:
Trogoderma granarium (Coleoptera)

CYATHEA:
Nasutitermes corniger (Isoptera)

CYCAD:
Diaspis zamiae (Homoptera)

CYCAS:
Pheidole megacephala (Hymenoptera)

CYDONIA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Ectomyelois ceratoniae (Lepidoptera)

CYMBIDIUM:
Xiphidiopsis lita (Orthoptera)

CYMBOPOGON:
"Targionia" sacchari (Homoptera)

CYNARA:
Anuraphis cardui (Homoptera)
Apion carduorum (Coleoptera)
Gortyna flavago (Lepidoptera)
Thrips angusticeps (Thysanoptera)

CYNODON:
Odonaspis ruthae (Homoptera)

CYPRIPEDIUM:
Puto ulter (Homoptera)

DALBERGIA:
Amitermes foreli (Isoptera)
Coptotermes niger (Isoptera)
C. testaceus (Isoptera)
Heterotermes convexinotatus (Isoptera)
Nasutitermes corniger (Isoptera)
Pheidole megacephala (Hymenoptera)
Subulitermes microsoma (Isoptera)

DAUCUS:
Phalonia zephyrana (Lepidoptera)
Tyrophagus oudemansi (Acarina)

DENDROBIUM:
Monomorium destructor (Hymenoptera)
Praeacedes thecophora (Lepidoptera)
Taeniothrips hawaiiensis (Thysanoptera)

DIALIUM:
Caryedon gonagra (Coleoptera)

DIANTHUS:
Arge ochropa (Hymenoptera)
Frankliniella formosae (Thysanoptera)
F. intonsa (Thysanoptera)
Stator pruininus (Coleoptera)
Taeniothrips atratus (Thysanoptera)
T. dianthi (Thysanoptera)
T. distalis (Thysanoptera)

DIGITARIA:
Antonina graminis (Homoptera)

Hosts and Insects—Continued

DIOSCOREA:
Neotermes castaneus (Isoptera)
Palaeopus costicollis (Coleoptera)
"Targionia" hartii (Homoptera)
DIOSPYROS:
Lepidosaphes conchiformis (Homoptera)
L. kuwacola (Homoptera)
L. yanagicola (Homoptera)
Pseudococcus gahani (Homoptera)
Tenuipalpus japonicus (Acarina)
DRACAENA:
Cephaloleia pretiosa (Coleoptera)
ENCEPHALARTOS:
Diaspis zamiae (Homoptera)
ENTEROLOBIUM:
Ectomyelois muriscis (Lepidoptera)
EPIDENDRUM:
Asterolecanium epidendri (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Conchaspis orchidarum (Homoptera)
Pseudischnaspis alienus (Homoptera)
Puto mexicanus (Homoptera)
Vinsonia stellifera (Homoptera)
ERIOBOTRYA:
Ceratitis capitata (Diptera)
Lepidosaphes punicae (Homoptera)
Specularius erythrinae (Coleoptera)
EUGENIA:
Dacus dorsalis (Diptera)
FICUS:
Azochis gripusalis (Lepidoptera)
Ceratitis capitata (Diptera)
Ceroplastes rusci (Homoptera)
Drasterius bimaculatus (Coleoptera)
Ephestia calidella (Lepidoptera)
Homotoma ficus (Homoptera)
Lepidosaphes ficus (Homoptera)
Thrips major (Thysanoptera)
FOENICULUM:
Anuraphis apiifoliae (?) (Homoptera)
FRAGARIA:
Cecilioides acicula (Mollusca)
Euborellia plebeja (Dermaptera)
Rhyparochromus pini (Hemiptera)
Taphropeltus contractus (Hemiptera)
Tyrophagus oudemansi (Acarina)
FUCHSIA:
Brevipalpus obovatus (Acarina)
GARCINIA:
Stephanitis typica (Hemiptera)
GARDENIA:
Coccus viridis (Homoptera)
Dialeurodes kirkaldyi (Homoptera)
Pealius hibisci (Homoptera)
Protopulvinaria pyriformis (Homoptera)
Pseudaonidia clavigera (Homoptera)
Pulvinaria psidii (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
GENTIANA:
Stenoptilia stigmatodactyla (Lepidoptera)
GLADIOLUS:
Euscelis plebejus (Homoptera)
Frankliniella intonsa (Thysanoptera)
Monomorium destructor (Hymenoptera)
Taeniothrips atratus (Thysanoptera)
T. gracilis (Thysanoptera)
Thrips flavus (Thysanoptera)
T. imaginis (Thysanoptera)
GOSSYPIUM:
Ceresium unicolor (Coleoptera)
Pectinophora gossypiella (Lepidoptera)
Trogoderma granarium (Coleoptera)
HAKEA:
Blissus diplopterus (Hemiptera)
HAWORTHIA:
Opogona sacchari (Lepidoptera)
HEDYCHIUM:
Pulvinaria psidii (Homoptera)
HELICHRYSUM:
Frankliniella intonsa (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
HELICONIA:
Bradybaena similaris (Mollusca)
Eucalymnatus tessellatus (Homoptera)
Pentalonia nigronervosa (Homoptera)
Vinsonia stellifera (Homoptera)
HIBISCUS:
Aceria hibisci (Acarina)
Earias cupreoviridis (Lepidoptera)
Pectinophora gossypiella (Lepidoptera)
Pheidole megacephala (Hymenoptera)
Pseudaonidia clavigera (Homoptera)
ILEX:
Dialeurodes tristylli (Homoptera)
IPOMOEA:
Bradybaena similaris (Mollusca)
Cylas formicarius (Coleoptera)
C. formicarius elegantulus (Coleoptera)
C. formicarius formicarius (Coleoptera)
Euscepes porcellus (Coleoptera)
E. postfasciatus (Coleoptera)
Graptostethus manillensis (Hemiptera)
Megastes grandalis (Lepidoptera)
Pheidole megacephala (Hymenoptera)
IXORA:
Brevipalpus phoenicis (Acarina)
Coccus viridis (Homoptera)
Pheidole megacephala (Hymenoptera)
Pseudaonidia trilobitiformis (Homoptera)
JASMINUM:
Aonidiella comperei (Homoptera)
Coccus viridis (Homoptera)
Dialeurodes kirkaldyi (Homoptera)
Lecanium corni (Homoptera)
Parlatoria crypta (Homoptera)
JUGLANS:
Ectomyelois ceratoniae (Lepidoptera)
Solenopsis saevissima richteri (Hymenoptera)
JUNIPERUS:
Acronicta rumicis (Lepidoptera)
Diaspis minima (Homoptera)
Lepidosaphes newsteadi (Homoptera)
Pentamerismus oregonensis (Acarina)
KENTIA:
Aspidiotus destructor (Homoptera)
A. palmae (Homoptera)
Furcaspis haematochroa (Homoptera)
LABURNUM:
Sparteus villosus (Coleoptera)
LACTUCA:
Athalia colibri (Hymenoptera)
Conotelus mexicanus (Coleoptera)
Dicyphus annulatus (Hemiptera)
Haplothrips clarisetis (?) (Thysanoptera)
Helicella maritima (Mollusca)
H. variabilis (Mollusca)
Helix aperta (Mollusca)
H. aspersa (Mollusca)
Limax marginatus (Mollusca)
Macrosiphum formosanum (Homoptera)
Monacha cantiana (Mollusca)
Nysius huttoni (Hemiptera)
Otala lactea (Mollusca)
Phytomyza rufipes (Diptera)
Pieris brassicae (Lepidoptera)
Theba pisana (Mollusca)
Thrips angusticeps (Thysanoptera)
LAELIA:
Puto uler (Homoptera)
LANSIUM:
Pheidole megacephala (Hymenoptera)
LATHYRUS:
Acanthothrips coriaceus (Thysanoptera)
Bruchus affinis (Coleoptera)
B. emarginatus (Coleoptera)
B. tristiculus (Coleoptera)
B. tristis (Coleoptera)
Frankliniella intonsa (Thysanoptera)
Pheidole megacephala (Hymenoptera)
Taeniothrips atratus (Thysanoptera)
T. gracilis (Thysanoptera)
LAURUS:
Gynaikothrips ficorum (Thysanoptera)
LAVANDULA:
Taeniothrips atratus (Thysanoptera)
LENS:
Bruchus ervi (Coleoptera)
B. lentis (Coleoptera)
B. signaticornis (Coleoptera)
Callosobruchus rhodesianus (Coleoptera)
LEUCADENDRON:
Parlatoria pittospori (Homoptera)

Hosts and Insects—Continued

LEUCAENA:
Stator pruininus (Coleoptera)
LILIUM:
Frankliniella lilivora (Thysanoptera)
LIPPIA:
Brevipalpus obovatus (Acarina)
Frankliniella paucispinosa (Thysanoptera)
LITCHI:
Coccus viridis (Homoptera)
Cryptophlebia illepida (Lepidoptera)
C. ombrodelta (Lepidoptera)
Dacus dorsalis (Diptera)
Pulvinaria psidii (Homoptera)
LUPINUS:
Bruchus trictis (Coleoptera)
LYCASTE:
Vinsonia stellifera (Homoptera)
LYCOPERSICON:
Dacus cucurbitae (Diptera)
Neolecinodes elegantalis (Lepidoptera)
Pachybrachius albocinctus (Hemiptera)
LYCORIS:
Taeniothrips gracilis (Thysanoptera)
MACADAMIA:
Aspidiotus herculeanus (Homoptera)
Cryptophlebia illepida (Lepidoptera)
MALUS:
Adozophyes orana (Lepidoptera)
Argyresthia conjugella (Lepidoptera)
Carposina niponensis (Lepidoptera)
Ceratitis capitata (Diptera)
Epidiaspis piricola (Homoptera)
Grapholitha janthiana (?) (Lepidoptera)
Psylla mali (Homoptera)
Tetranychus viennensis (Acarina)
MANGIFERA:
Anastrepha ludens (Diptera)
A. mombinpraeoptans (Diptera)
Aonidiella inornata (Homoptera)
Aulacaspis tubercularis (Homoptera)
Ceratitis capitata (Diptera)
Chrysomphalus personatus (Homoptera)
Dacus dorsalis (Diptera)
Heterotermes convexinotatus (Isoptera)
Phenacaspis cockerelli (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
Sternochetus mangiferae (Coleoptera)
MANIHOT:
Phyllophaga analis (Coleoptera)
Trogoderma granarium (Coleoptera)
MEDICAGO:
Conotelus mexicanus (Coleoptera)
MENTHA:
Brevipalpus obovatus (Acarina)
Phorodon menthae (Homoptera)
METROSIDEROS:
Siphanta acuta (Homoptera)
MURRAYA:
Aulacaspis crawii (Homoptera)
MUSA:
Automolis ataenia (Lepidoptera)
Ceramidia viridis (Lepidoptera)
Ceratitis capitata (?) (Diptera)
Cosmopolites sordidus (Coleoptera)
Dacus dorsalis (Diptera)
Epilachna borealis var. (Coleoptera)
Euglandina striata (Mollusca)
Metamasius hemipterus sericeus (Coleoptera)
Pheidole megacephala (Hymenoptera)
Platoeceticus symmicta (Lepidoptera)
Polyius mellerborgi (Coleoptera)
Porphyrobaphe iostoma (Mollusca)
Solaropsis monile (Mollusca)
NARCISSUS:
Steneotarsonemus laticeps (Acarina)
Taeniothrips gracilis (Thysanoptera)
NECTANDRA:
Platypus rugulosus (Coleoptera)
NEPHELIUM:
Dichocrocis punctiferalis (Lepidoptera)
NEPHROLEPIS:
Tyrophagus tropicus (Acarina)
NERINE:
Frankliniella schultzei (Thysanoptera)
NERIUM:
Aspidiotus destructor (Homoptera)
Conotelus mexicanus (Coleoptera)
Cryptoblabes gnidiella (Lepidoptera)
NOLINA:
Lepidosaphes philococcus (Homoptera)
OCHROSIA:
Dacus dorsalis (Diptera)
ODONTOGLOSSUM:
Puto ulter (Homoptera)
OLEA:
Dacus oleae (Diptera)
Prays oleellus (Lepidoptera)
ONCIDIUM:
Pseudischnaspis alienus (Homoptera)
Puto ulter (Homoptera)
Tenthecoris vestitus (Hemiptera)
Vinsonia stellifera (Homoptera)
OPHIOPOGON:
Pinnaspis caricis (Homoptera)
OPUNTIA:
Ceratitis capitata (Diptera)
ORCHID:
Andrector salvini (Coleoptera)
Aspidiotus mendax (Homoptera)
A. palmae (Homoptera)
Asterolecanium epidendri (Homoptera)
Bradybaena similaris (Mollusca)
Cecilioides acicula (Mollusca)
Chrysogramma octomaculata (Coleoptera)
Chrysomphalus opimus (tentative) (Homoptera)
C. umboniferus (Homoptera)
Cocconotus degeeri (Orthoptera)
Corimelaena palmeri (Hemiptera)
Deloyala guttata (Coleoptera)
Diorymerellus laevimargo (Coleoptera)
Doru albipes (Dermaptera)
Dysdercus andreae (Hemiptera)
Eobia bicolor (Hemiptera)
Eurytoma orchidearum (Hymenoptera)
Farinococcus guatemalensis (Homoptera)
Helix aspersa (Mollusca)
Insara tolteca (Orthoptera)
Iridomyrmex iniquus (Hymenoptera)
Lepidosaphes tuberculata (Homoptera)
Lineus rufopilotus (Coleoptera)
Mecolaemus carvalhoi (Hemiptera)
Microcerotermes exiguus (Isoptera)
Mormidea inermis (Hemiptera)
Myodocha longicollis (Hemiptera)
Nasutitermes corniger (Isoptera)
N. ephratae (Isoptera)
N. nigriceps (Isoptera)
Onychaspidium apicale (Diptera)
Orchidophilus aterrimus (Coleoptera)
Ozychilus alliarius (Mollusca)
Pheidole megacephala (Hymenoptera)
Polyancistrus serrulatus (Orthoptera)
Pseudischnaspis alienus (Homoptera)
Puto ulter (Homoptera)
Selenothrips rubrocinctus (Thysanoptera)
Sparedrus depressus (Coleoptera)
Taeniothrips hawaiiensis (Thysanoptera)
Tenthecoris bicolor (Hemiptera)
T. confusus (Hemiptera)
T. distinctus (Hemiptera)
Valtissius diversus (Hemiptera)
Vinsonia stellifera (Homoptera)
Xylobiops pariilis (Coleoptera)
ORNITHOGALUM:
Diaphone eumela (Lepidoptera)
Epichorista ionephela (Lepidoptera)
Opogona sacchari (Lepidoptera)
ORYZA:
Calameuta idolon (Hymenoptera)
Chilo suppressalis (Lepidoptera)
Sesamia inferens (Lepidoptera)
Taeniothrips hawaiiensis (Thysanoptera)
Trogoderma granarium (Coleoptera)
OSMANTHUS:
Aleurotuberculatus aucubae (Homoptera)
PAEONIA:
Callidium rufipenne (Coleoptera)
Thrips flavus (Thysanoptera)
PALAQUIUM:
Trogoderma granarium (Coleoptera)

Hosts and Insects—Continued

PALM:
Aspidiotus destructor (Homoptera)
Asterolecanium simile (Homoptera)
Chrysomphalus sphaerioides (Homoptera)
Coccotrypes carpophagus (Coleoptera)
Pinnaspis buxi (Homoptera)
PANDANUS:
Aspidiotus destructor (Homoptera)
Pseudococcus giffardi (Homoptera)
PELARGONIUM:
Coccus viridis (Homoptera)
Corythucha mcelfreshi (Hemiptera)
PERISTERIA:
Asterolecanium epidendri (Homoptera)
PERSEA:
Chrysomphalus albopictus (Homoptera)
C. personatus (Homoptera)
Lamellaxis gracilis (Mollusca)
Pseudacysta perseae (Hemiptera)
Stenoma catenifer (Lepidoptera)
Subulina octona (Mollusca)
PETROSELINUM:
Anuraphis apiifoliae (?) (Homoptera)
Mamestra brassicae (Lepidoptera)
PHAEOMERIA:
Pentalonia nigronervosa (Homoptera)
Siphanta acuta (Homoptera)
PHALAENOPSIS:
Tenuipalpus pacificus (Acarina)
PHASEOLUS:
Acanthoscelides obreptus (Coleoptera)
Ancylostomia stercorea (Lepidoptera)
Callosobruchus rhodesianus (Coleoptera)
Everes comyntas (Lepidoptera)
Forficula pubescens (Dermaptera)
Hedylepta indicata (Lepidoptera)
Maruca testulalis (Lepidoptera)
Matsumuraeses phaseoli (Lepidoptera)
Ostrinia nubilalis (Lepidoptera)
Trogoderma granarium (Coleoptera)
PHILODENDRON:
Chrysomphalus tenax (Homoptera)
Pinnaspis buxi (Homoptera)
PHRAGMITES:
Brevipalpus chilensis (Acarina)
Dasyneura inclusa (Diptera)
Nipponaclerda biwakoensis (Homoptera)
PICEA:
Laspeyresia strobilella (Lepidoptera)
PINUS:
Callidium rufipenne (Coleoptera)
Coptotermes crassus (Isoptera)
Dichocrocis punctiferalis (Lepidoptera)
Euborellia plebeja (Dermaptera)
Heterotermes convexinotatus (Isoptera)
Laspeyresia strobilella (Lepidoptera)
Lepidosaphes pini (Homoptera)
Leucaspis lowi (Homoptera)
L. pusilla (Homoptera)
Matsucoccus matsumurae (Homoptera)
Plagionotus arcuatus (Coleoptera)
Pseudococcus pini (Homoptera)
PINUS (?):
Ips typographus (Coleoptera)
PIPER:
Protopulvinaria longivalvata (Homoptera)
PISTACIA:
Chrysomphalus inopinatus (Homoptera)
Trogoderma granarium (Coleoptera)
PISUM:
Ancylostomia stercorea (Lepidoptera)
Bruchus ervi (Coleoptera)
B. tristis (Coleoptera)
Forficula decipiens (Dermaptera)
Laspeyresia nigricana (Lepidoptera)
Trogoderma granarium (Coleoptera)
PITHECELLOBIUM:
Cryptophlebia ombrodelta (Lepidoptera)
Dacus dorsalis (Diptera)
Stator limbatus (Coleoptera)
PLATANUS:
Aspidiotus pyri (Homoptera)
PLUCHEA:
Aceria plucheae (Acarina)
PLUMERIA:
Conotelus mexicanus (Coleoptera)
Dialeurodes kirkaldyi (Homoptera)
Eobia bicolor (Coleoptera)
Haplothrips gowdeyi (Thysanoptera)
Pheidole megacephala (Hymenoptera)
Taeniothrips hawaiiensis (Thysanoptera)
POLIANTHES:
Taeniothrips hawaiiensis (Thysanoptera)
POPULUS:
Pemphigus populiramulorum (Homoptera)
PORTULACA:
Conotelus mexicanus (Coleoptera)
Lozostege bifidalis (Lepidoptera)
Nysius raphanus (Hemiptera)
PROTEA:
"Chionaspis" leucadendri (Homoptera)
Mesochelidura peringueyi (Dermaptera)
Pseudococcus gahani (Homoptera)
PRUNUS AMYGDALUS:
Ectomyelois ceratoniae (Lepidoptera)
PRUNUS ARMENIACA:
Ceratitis capitata (Diptera)
PRUNUS DOMESTICA:
Geniocremnis chilensis (Coleoptera)
Lecanium persicae (Homoptera)
Micrapate scabrata (Coleoptera)
PRUNUS PERSICA:
Adoxophyes orana (Lepidoptera)
Ceratitis capitata (Diptera)
Pheidole megacephala (Hymenoptera)
PRUNUS PERSICA VAR. NECTARINA:
Limothrips angulicornis (Thysanoptera)
PRUNUS SPINOSA:
Rhynchites auratus (Coleoptera)
PRUNUS SP. (cherry):
Ceratitis capitata (Diptera)
Rhagoletis cerasi (Diptera)
PRUNUS SP.:
Lecanium corni (Homoptera)
Nilotaspis halli (Homoptera)
PSIDIUM:
Aleuroglandulus emmae (Homoptera)
Anastrepha suspensa (Diptera)
Ceratitis capitata (Diptera)
Coccus viridis (Homoptera)
Dacus dorsalis (?) (Diptera)
Pseudococcus lilacinus (Homoptera)
PUERARIA:
Callosobruchus ademptus (Coleoptera)
PUNICA:
Anastrepha ludens (Diptera)
Cacaecimorpha pronubana (Lepidoptera)
Ceratitis capitata (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Ectomyelois ceratoniae (Lepidoptera)
Eurydema ornatum (Hemiptera)
PYRUS:
Ceratitis capitata (Diptera)
Monomorium destructor (Hymenoptera)
QUERCUS:
Aspidiotus zonatus (Homoptera)
RAPHANUS:
Phytomyza rufipes (Diptera)
RHODODENDRON:
Brevipalpus obovatus (Acarina)
Dialeurodes chittendeni (Homoptera)
Lepidosaphes tubulorum (Homoptera)
Pseudococcus azaleae (Homoptera)
Stephanitis pyrioides (Hemiptera)
RIBES:
Ephestia calidella (Lepidoptera)
ROSA:
Adoxophyes orana (Lepidoptera)
Ardis sulcata (Hymenoptera)
Aspidiotus destructor (Homoptera)
Centrotus cornutus (Homoptera)
Cladius pectinicornis (Hymenoptera)
Endelomyia aethiops (Hymenoptera)
Frankliniella intonsa (Thysanoptera)
Lecanium corni (Homoptera)
Myzaphis bucktoni (?) (Homoptera)
Taeniothrips atratus (Thysanoptera)
T. ericae (Thysanoptera)

Hosts and Insects—Continued

ROSA—*Continued*
T. hawaiiensis (Thysanoptera)
Tetranychus cinnabarinus (Acarina)
Thrips flavus (Thysanoptera)
T. major (Thysanoptera)
ROSACEAE:
Rhagoletis alternata (?) (Diptera)
RUBUS:
Asterobemisia carpini (Homoptera)
RUTA:
Brevipalpus obovatus (Acarina)
SACCHARUM:
Chilo loftini (Lepidoptera)
Pheidole megacephala (Hymenoptera)
Pseudococcus boninsis (Homoptera)
Targionia glomerata (Homoptera)
"*Targionia*" *sacchari* (Homoptera)
Trionymus sacchari (Homoptera)
SALIX:
Leptidea brevipennis (Coleoptera)
SALVIA:
Eurytoma infracta (Hymenoptera)
SAMANEA:
Cryptophlebia ombrodelta (Lepidoptera)
Pheidole megacephala (Hymenoptera)
Stator limbatus (Coleoptera)
SCHINUS:
Coccus viridis (Homoptera)
SCHOMBURGKIA:
Chrysomphalus umboniferus (Homoptera)
Nasutitermes ephratae (Isoptera)
N. nigriceps (Isoptera)
Termes hispaniolae (Isoptera)
SCINDAPSUS:
Pinnaspis buxi (Homoptera)
SECALE:
Suidasia medanensis (Acarina)
Trogoderma granarium (Coleoptera)
SECHIUM:
Cacaecimorpha pronubana (Lepidoptera)
SESAMUM:
Phricodus hystrix (Hemiptera)
SESBANIA:
Dacus dorsalis (?) (Diptera)
Maruca testulalis (Lepidoptera)
SIDEROXYLON:
Anastrepha serpentina (Diptera)
SOIL:
Bradybaena similaris (Mollusca)
Cecilioides acicula (Mollusca)
Cochlicella barbara (Mollusca)
Eremocoris plebejus (Hemiptera)
Forficula pubescens (Dermaptera)
Helicella striata (Mollusca)
H. variabilis (Mollusca)
Lamellaxis gracilis (Mollusca)
Oulema melanopa (Coleoptera)
Pheidole megacephala (Hymenoptera)
Rumina decollata (Mollusca)
Thrips flavus (Thysanoptera)
SOLANUM ACULEATISSIMUM:
Ceratitis capitata (Diptera)
SOLANUM MELONGENA:
Neoleucinodes elegantalis (Lepidoptera)
Udea ferrugalis (Lepidoptera)
SOLANUM QUITOENSE:
Neoleucinodes elegantalis (Lepidoptera)
SORGHUM:
Ostrinia nubilalis (Lepidoptera)
Sesamia cretica (Lepidoptera)
SPONDIAS:
Anastrepha mombinpraeoptans (Diptera)
Chrysomphalus calurus (Homoptera)
STIPA:
Macroplax fasciata (Hemiptera)
STRELITZIA:
Diaspis zamiae (Homoptera)
Pentalonia nigronervosa (Homoptera)
STRONGYLODON:
Taeniothrips hawaiiensis (Thysanoptera)
STRONGYLODON (?):
Maruca testulalis (Lepidoptera)
SWIETENIA:
Trogoxylon prostomoides (Coleoptera)
SYRINGA:
Sitona lineata (Coleoptera)
TAMARINDUS:
Caryedon gonagra (Coleoptera)
Cryptophlebia ombrodelta (Lepidoptera)
Ectomyelois ceratoniae (Lepidoptera)
TECOMARIA:
Brevipalpus phoenicis (Acarina)
TERMINALIA:
Anastrepha mombinpraeoptans (Diptera)
Ceratitis capitata (Diptera)
Dacus dorsalis (Diptera)
Trogoderma granarium (Coleoptera)
TILLANDSIA:
Erptochiomera oblonga (Hemiptera)
Leptodictya sinaloana (Hemiptera)
Podisus lineolatus (Hemiptera)
Ptilia versicolor (Hymenoptera)
TRICHOPILIA:
Puto mexicanus (Homoptera)
TRIGONIDIUM:
Vinsonia stellifera (Homoptera)
TRITICUM:
Trogoderma granarium (Coleoptera)
TROPAEOLUM:
Cepaea hortensis (?) (Mollusca)
Helicella ericetorum (Mollusca)
TSUGA:
Lamellaxis gracilis (Mollusca)
VACCINIUM:
Aspidiotus degeneratus (Homoptera)
VANDA:
Bradybaena similaris (Mollusca)
Conotelus mexicanus (Coleoptera)
Orchidophilus aterrimus (Coleoptera)
VANDOPSIS:
Tenuipalpus pacificus (Acarina)
VICIA:
Bruchus guttalis (Coleoptera)
B. tristis (Coleoptera)
Callosobruchus analis (Coleoptera)
Epinotia aporema (Lepidoptera)
Lampides boeticus (Lepidoptera)
VIGNA:
Callosobruchus rhodesianus (Coleoptera)
VIROLA:
Coptotermes niger (Isoptera)
VITIS:
Aclerda fraterna (Coleoptera)
Brevipalpus chilensis (Acarina)
Ceratitis capitata (Diptera)
Conoderus rufangulus (Coleoptera)
Leptoglossus chilensis (Hemiptera)
Lobesia botrana (Lepidoptera)
Naupactus xanthographus (Coleoptera)
Nezara viridula (Hemiptera)
Phlyctinus callosus (Coleoptera)
Targionia vitis (Homoptera)
Xiphistes furcicornis (Homoptera)
VRIESIA:
Chrysomphalus personatus (Homoptera)
WISTERIA:
Chionaspis wistariae (Homoptera)
YUCCA:
Leptopharsa usingeri (Hemiptera)
ZANTEDESCHIA:
Paraputo taraktogeni (Homoptera)
ZEA:
Moodna bisinuella (Lepidoptera)
Nysius raphanus (Hemiptera)
Pagiocerus fiorii (Coleoptera)
Sesamia nonagrioides (Lepidoptera)
Zeadiatraea lineolata (Lepidoptera)
ZINGIBER:
Pentalonia nigronervosa (Homoptera)
Pulvinaria urbicola (?) (Homoptera)
"*Targionia*" *hartii* (Homoptera)
Trogoderma granarium (Coleoptera)
ZINNIA:
Chirothrips meridionalis (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
ZIZYPHUS:
Ceratitis capitata (Diptera)

Hosts Unknown

AIRPLANE:
Acanthoderes circumflexa (Coleoptera)
Aethus indicus (Hemiptera)
Allozacis spinosus (Coleoptera)
Anastrepha suspensa (Diptera)
Ancognatha scarabaeoides (Coleoptera)
Callipogon armillatum (Coleoptera)
Cassida circumdata (Coleoptera)
Ceratitis capitata (Diptera)
Clanis phalaris (Lepidoptera)
Engonus subcylindricus (Coleoptera)
Eobia bicolor (Coleoptera)
Euconocephalus platynotum (Orthoptera)
Exitianus obscurinervis (Homoptera)
Gynaikothrips ficorum (Thysanoptera)
Hemiargus hanno (Lepidoptera)
Leptocoriza varicornis (Hemiptera)
Listronotus palustris (Coleoptera)
Melolontha melolontha (Coleoptera)
Metopoplax ditomoides (Hemiptera)
Mimosestes sallaei (Coleoptera)
Nasutitermes nigriceps (Isoptera)
Nephotettix apicalis (Homoptera)
Nysius delectulus (Hemiptera)
N. tenellus (Hemiptera)
Oenopiella unidentata (Hemiptera)
Orphulella punctata (Orthoptera)
Otozema odorata (Lepidoptera)
Ozycopis vittata (Coleoptera)
Paroxacis antillarum (Coleoptera)
Pelopidas mathias oberthuri (Lepidoptera)
Phaneroptera furcifera (Orthoptera)
Phurys immunis (Lepidoptera)
Popillia lewisi (Coleoptera)
Rehimena phrynealis (Lepidoptera)
Sardia pluto (Homoptera)
Schoenobius incertulas (Lepidoptera)
Sessinia livida (Coleoptera)
Sinozylon conigerum (Coleoptera)
Stromatium longicorne (Coleoptera)
Symyrias diffundens (Lepidoptera)
Thaumatomyia notata flavifrons (Diptera)
Xylomeira torquata (Coleoptera)
Xylopsocus castanoptera (Coleoptera)
AUTOMOBILE:
Bradysia carbonaria (Diptera)
Iphiclides protesilaus (Lepidoptera)
Onthophagus taurus (Coleoptera)
BAGGAGE:
Achatina fulica (Mollusca)
Ascia monuste (Lepidoptera)
Callidium rufipenne (Coleoptera)
Dacus oleae (Diptera)
Elimaea punctifera (Orthoptera)
Eobia bicolor (Coleoptera)
Geotomus pygmaeus (Hemiptera)
Helix aspersa (Mollusca)
H. pomatia (Mollusca)
Homoeogryllus japonicus (Orthoptera)
Jadera haematoloma (Hemiptera)
Lyctus linearis (Coleoptera)
Ozacis xerensis (Coleoptera)
Patanga japonica (Orthoptera)
Philaspis bivulnerata (Coleoptera)
Sybra alternans (Coleoptera)
Tropidacris latreillei (Orthoptera)
BAGGING:
Sitona hispidula (Coleoptera)
Trogoderma granarium (Coleoptera)
CARDBOARD:
Heterotermes convexinotatus (Isoptera)
CARGO:
Dysdercus bidentatus (Hemiptera)
D. mimus (Hemiptera)
D. ruficollis (Hemiptera)
Maruca testulalis (Lepidoptera)
Neoleucinodes elegantalis (Lepidoptera)
CONIFER:
Pityogenes chalcographus (Coleoptera)
DEBRIS:
Pheidole megacephala (Hymenoptera)
Sitona hispidula (Coleoptera)
Trogoderma granarium (Coleoptera)
Xylobiops sextuberculatus (Coleoptera)
FERN:
Pentalonia nigronervosa (Homoptera)
FLOWERS:
Achaea janata (Lepidoptera)
Anuraphis cardui (Homoptera)
Bradybaena similaris (Mollusca)
Cryptotermes brevis (Isoptera)
Eobia bicolor (Coleoptera)
Exitianus obscurinervis (Homoptera)
Forficula senegalensis (Dermaptera)
Frankliniella intonsa (Thysanoptera)
Haplothrips cottei (Thysanoptera)
H. govdeyi (Thysanoptera)
Pheidole megacephala (Hymenoptera)
Taeniothrips atratus (Thysanoptera)
T. dianthi (Thysanoptera)
T. hawaiiensis (Thysanoptera)
Thrips flavus (Thysanoptera)
T. imaginis (Thysanoptera)
T. major (Thysanoptera)
FOOD:
Pheidole megacephala (Hymenoptera)
Trogoderma granarium (Coleoptera)
FRUIT—UNIDENTIFIED:
Diaspis zamiae (Homoptera)
Monomorium destructor (Hymenoptera)
GRASS:
Monomorium destructor (Hymenoptera)
GUM:
Lyctus linearis (Coleoptera)
Trogoderma granarium (Coleoptera)
HERBS:
Monomorium destructor (Hymenoptera)
Sterrha inquinata (Lepidoptera)
KARAYA GUM:
Trogoderma granarium (Coleoptera)
LEAF—UNIDENTIFIED:
Protopulvinaria longivalvata (Homoptera)
Sitona lineata (Coleoptera)
Toxoptera citricidus (Homoptera)
LEGUME:
Mimosestes sallaei (Coleoptera)
Stator limbatus (Coleoptera)
LOG:
Opogona sacchari (Lepidoptera)
MAIL:
Achatina fulica (Mollusca)
Cryptotermes brevis (Isoptera)
Dacus dorsalis (Diptera)
Eobia bicolor (Coleoptera)
Kalotermes immigrans (Isoptera)
Monomorium destructor (Hymenoptera)
Pheidole megacephala (Hymenoptera)
Sinozylon conigerum (Coleoptera)
MILITARY CARGO:
Cochlicella barbara (Mollusca)
C. conoidea (Mollusca)
C. ventrosa (Mollusca)
Cryptothelea minuscula (Lepidoptera)
Helicella caperata (Mollusca)
H. conspurcata (Mollusca)
H. derbentina (Mollusca)
H. itala (Mollusca)
H. maritima (Mollusca)
H. neglecta (Mollusca)
H. pyramidata (Mollusca)
H. striata (Mollusca)
H. variabilis (Mollusca)
Helix aspersa (Mollusca)
Monacha cantiana (Mollusca)
M. carthusiana (Mollusca)
Nezara viridula (Hemiptera)
Ostrinia nubilalis (Lepidoptera)
Otala lactea (Mollusca)
O. vermiculata (Mollusca)
Ozychilus draparnaldi (Mollusca)
Pieris brassicae (Lepidoptera)
Rhaphogaster nebulosa (Coleoptera)
Theba pisana (Mollusca)
MOLLUSK:
Theba pisana (Mollusca)
PACKING:
Callidium rufipenne (Coleoptera)
PLANTS—UNIDENTIFIED:
Ceutorhynchus erysimi (Coleoptera)
Oulema melanopa (Coleoptera)
Haplothrips aculeatus (Thysanoptera)
Limothrips denticornis (Thysanoptera)

Hosts Unknown—Continued

PLANTS—UNIDENTIFIED—*Continued*
Lygus lucorum (Hemiptera)
Monacha cantiana (Mollusca)
Morganella longispina (Homoptera)
Nysius raphanus (Hemiptera)
Pheidole megacephala (Hymenoptera)
Sitona lineata (Coleoptera)
Taeniothrips atratus (Thysanoptera)
Thrips flavus (Thysanoptera)
Veronicella moreleti (?) (Mollusca)

PLANT MATERIAL:
Diploptera punctata (Orthoptera)

QUARTERS:
Augocoris illustris (Hemiptera)
Lobesia botrana (?) (Lepidoptera)
Monomorium destructor (Hymenoptera)
Phoebolampta excellens (Orthoptera)
Porphyrobaphe iostoma (Mollusca)
Syneda confirmans (Lepidoptera)
Theba pisana (Mollusca)
Trogoderma granarium (Coleoptera)
Tropidacris latreillei (Orthoptera)

RAILWAY CAR:
Tenuirostritermes cinereus (Isoptera)

SEED:
Caryedon gonagra (Coleoptera)
Ectomyelois ceratoniae (Lepidoptera)
Megacerus alternatus (Coleoptera)
Mimosestes sallaei (Coleoptera)
Puto barberi (Homoptera)

STONE:
Achatina fulica (Mollusca)

STORES:
Callosobruchus analis (Coleoptera)
Helicella maritima (Mollusca)
Helix aspersa (Mollusca)
H. pomatia (Mollusca)
Myzus ascalonicus (Homoptera)
Systole albipennis (Hymenoptera)
Trogoderma granarium (Coleoptera)

STRAW:
Bruchus guttalis (Coleoptera)
Zetha chavesi (Orthoptera)

WATERLILY:
Pheidole megacephala (Hymenoptera)

WOOD:
Anoplotermes ater (Isoptera)
Bostrychoplites cornutus (Coleoptera)
Brevipalpus phoenicis (Acarina)
Callidium violaceum (Coleoptera)
Heterobostrychus aequalis (Coleoptera)
Lyctus africanus (Coleoptera)
L. brunneus (Coleoptera)
Micrapate labialis (Coleoptera)
Minthea rugicollis (Coleoptera)
Molorchus minor (Coleoptera)
Nasutitermes corniger (Isoptera)
N. costalis (Isoptera)
Procryptotermes hubbardi (Isoptera)
Reticulitermes speratus (Isoptera)
Sinoxylon anale (Coleoptera)
S. conigerum (Coleoptera)
S. ruficorne (Coleoptera)
Taeniothrips vitticornis (Thysanoptera)
Tetrapriocera longicornis (Coleoptera)
Trogoxylon aequale (Coleoptera)

Countries of Origin and Insects

AFRICA (country(?)):
Ectomyelois ceratoniae
Opogona sacchari
ALGERIA:
Parlatoria zizyphus
AMERICAN SAMOA:
Aceria hibisci
Aspidiotus pangoensis
Lyctus brunneus
AMERICAN VIRGIN ISLANDS:
Anastrepha mombinpraeoptans
Vinsonia stellifera
ANGOLA:
Sinozylon ruficorne
ANGUILLA:
"Targionia" hartii
ANTIGUA:
Alloxacis spinosus
Vinsonia stellifera
ARGENTINA:
Aceria tulipae
Aonidiella citrina
Brevipalpus obovatus
B. phoenicis
Ceratitis capitata
Frankliniella paucispinosa
Lorryia formosa
Parlatoria cinerea
Pseudaonidia trilobitiformis
Tetranychus cinnabarinus
ARGENTINA (?):
Oenopiella unidentata
AUSTRALIA:
Aonidiella citrina
Aspidiotus herculeanus
Diaspis zamiae
Epilachna 28-punctata
Lepidosaphes tuberculata
Pseudococcus boninsis
Taeniothrips hawaiiensis
Thrips imaginis
Thysanococcus chinensis
AUSTRALIA (?):
Parlatoria cinerea
AUSTRIA:
Grapholitha janthiana (?)
Leucaspis lowi
AUSTRIA (?):
Dacus oleae
AZORES:
Bruchus tristiculus
Ceratitis capitata
Cochlicella ventrosa
Eriococcus araucariae
Helicella conspurcata
Limax marginatus
Pieris brassicae
Thrips major
Zetha chavesi
BAHAMAS:
Ancylostomia stercorea
Aspidiotus destructor
Pheidole megacephala
Phytomyza atricornis
Pseudococcus boninsis
Syneda confirmans
Vinsonia stellifera
BARBADOS:
Coccus viridis
"Targionia" sacchari
Trionymus sacchari
BELGIUM:
Bruchus tristiculus
Helix aspersa
Lecanium coryli
Phytomyza rufipes
Pityogenes chalcographus
BERMUDA:
Anuraphis apiifoliae (?)
Bradybaena similaris
Cochlicella ventrosa
Conotelus mexicanus
Cryptoblabes gnidiella
Eriococcus araucariae
Haplothrips gowdeyi
Morganella longispina
Pheidole megacephala
Taeniothrips gracilis
BRAZIL:
Amitermes foreli
Asterolecanium epidendri
Azochis gripusalis
Brevipalpus phoenicis
Ceratitis capitata
Chrysomphalus personatus
C. umboniferus
Coccotrypes carpophagus
Coccus alpinus
C. viridis
Coptotermes niger
C. testaceus
Euscepes postfasciatus
Heterotermes convexinotatus
Iridomyrmex leucomelas
Lyctus brunneus
Maruca testulalis
Megastes grandalis
Minthea rugicollis
Nasutitermes corniger
N. nigriceps
Neoleucinodes elegantalis
Parlatoria cinerea
Pectinophora gossypiella
Pheidole megacephala
Pseudaonidia trilobitiformis
Pseudoparlatoria ostreata
Stenoma catenifer
Stephanoderes hampei
Subulitermes microsoma
Unaspis citri
BRAZIL (?):
Cerconota anonella
BRITISH GUIANA:
Asterolecanium epidendri
Microcerotermes exiguus
Paragonatas divergens
Platypus rugulosus
Vinsonia stellifera
BRITISH HONDURAS:
Chrysomphalus umboniferus
Euscepes porcellus
Nasutitermes ephratae
N. nigriceps
Nudur fractivittarum
Pheidole megacephala
Pseudischnaspis alienus
Tenthecoris bicolor
T. confusus
Vinsonia stellifera
BRITISH WEST AFRICA:
Earias cupreoviridis
BRITISH WEST INDIES:
Ancylostomia stercorea
Nysius tenellus
BULGARIA:
Ephestia calidella
Phorodon menthae
BURMA:
Callosobruchus analis
CAMEROUN:
Parlatoria zizyphus
CANADA:
Taeniothrips atratus
CANAL ZONE:
Andrector salvini
Cecilioides acicula
Chrysomphalus umboniferus
Cocconotus degeeri
Conchaspis orchidarum
Pentalonia nigronervosa
Pheidole megacephala
Pseudischnaspis alienus
Valtissius diversus
Vinsonia stellifera
CANARY ISLANDS:
Dactylotrypes uyttenboogaarti
CANTON ISLAND:
Sessinia livida
CAPE VERDE ISLANDS:
Caryedon gonagra

Countries of Origin and Insects—Continued

CEYLON:
Taeniothrips hawaiiensis
Trogoderma granarium

CHILE:
Aclerda fraterna
Brevipalpus chilensis
Conoderus rufangulus
Geniocremnis chilensis
Lecanium persicae
Leptoglossus chilensis
Limothrips angulicornis
Micrapate scabrata
Naupactus xanthographus
Nezara viridula
Pseudococcus gahani

CHINA:
Palpifer sexnotatus (?)
Parlatoria zizyphus
Trogoderma granarium

CHRISTMAS ISLAND:
Eobia bicolor
Pseudococcus cocotis
Sessinia livida

COLOMBIA:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Anoplotermes ater
Bephrata maculicollis
Brevipalpus phoenicis
Cerconota anonella
Chrysomphalus umboniferus
Cyrtomenus bergi
Eurytoma orchidearum
Jadera haematoloma
Lincus rufospilotus
Nasutitermes corniger
Puto barberi
Stenoma catenifer

COSTA RICA:
Anastrepha mombinpraeoptans
Aspidiotus destructor
A. palmae
Asterolecanium epidendri
Auximobasis coffeaella
Ceratitis capitata
Chrysomphalus albopictus
Coptotermes niger
Corimelaena palmeri
Dysdercus minus
Eurytoma orchidearum
Metamasius hemipterus sericeus
Neolobophora ruficeps
Pseudischnaspis alienus
P. longissima
Veronicella moreleti (?)
Vinsonia stellifera

CUBA:
Anastrepha mombinpraeoptans
Aonidiella comperei
Ascia monuste
Aspidiotus destructor
Asterolecanium epidendri
Augocoris illustris
Coccus viridis
Cylas formicarius elegantulus
Dialeurodes citrifolii
Gnorimoschema gudmannella
Gynaikothrips ficorum
Hedylepta indicata
Heterobostrychus aequalis
Leucoptera coffeella
Pectinophora gossypiella
Pentalonia nigronervosa
Pheidole megacephala
Phyllophaga analis
Pinnaspis buxi
Protopulvinaria pyriformis
Rubua innazia
"Targionia" hartii
"Targionia" sacchari
Tetrapriocera longicornis
Trionymus sacchari
Unaspis citri
Vinsonia stellifera

CURACAO:
Caryedon gonagra

CYPRUS:
Ceratitis capitata
Dacus oleae

CZECHOSLOVAKIA:
Cecilioides acicula
Rhagoletis cerasi

DENMARK:
Frankliniella intonsa
Rhagoletis cerasi
Thrips flavus
T. major

DOMINICA:
Euborellia stali
Vinsonia stellifera

DOMINICAN REPUBLIC:
Aganactesis indecora
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Cylas formicarius elegantulus
Nasutitermes ephratae
Orphulella punctata
Pectinophora gossypiella
Phurys immunis
Polyancistrus serrulatus
Ribua innozia
"Targionia" hartii
Vinsonia stellifera

ECUADOR:
Aceria tulipae
Ceramidia viridis
Dysdercus bidentatus
D. minus
D. ruficollis
Epilachna borealis var.
Epinotia aporema
Euglandina striata
Metamasius hemipterus sericeus
Parlatoria cinerea
Pentalonia nigronervosa
Porphyrobaphe iostoma
Solaropsis monile
Stenoma catenifer
Vinsonia stellifera

EL SALVADOR:
Anastrepha mombinpraeoptans
Aulacaspis tubercularis
Chrysomphalus personatus
C. umboniferus
Eurytoma orchidearum
Stenoma catenifer
Tenthecoris confusus

ENGLAND:
Cladius pectinicornis
Frankliniella intonsa
Laspeyresia strobilella
Lycius africanus
Mamestra brassicae
Minthea rugicollis
Phorodon menthae
Phytomyza rufipes
Sinoxylon conigerum
Steneotarsonemus laticeps
Systole albipennis
Taeniothrips atratus
T. ericae
Thrips angusticeps
T. major
Trogoderma granarium

ETHIOPIA:
Odonaspis ruthae

FEDERATION OF MALAYA:
Dichocrocis punctiferalis
"Targionia" hartii
Trogoderma granarium

FEDERATION OF RHODESIA AND NYASALAND:
Specularius erythrinae

FIJI:
Pheidole megacephala
"Targionia" hartii

FIJI (?):
Dacus dorsalis

Countries of Origin and Insects—Continued

FINLAND:
Eriophyes leionotus
FORMOSA:
Chilo suppressalis
Parlatoria cinerea
P. zizyphus
Pinnaspis theae
Taeniothrips gracilis
Trogoderma granarium
FRANCE:
Acrolepia assectella
Asterobemisia carpini
Athalia colibri
Bemisia citricola
Bruchus emarginatus
B. signaticornis
Centrotus cornutus
Chrysomphalus personatus
Cladius pectinicornis
Cochlicella barbara
Diaspis zamiae
Epidiaspis piricola
Forficula senegalensis
Frankliniella intonsa
Helicella conspurcata
H. maritima
H. striata
H. variabilis
Helix aspersa
Lecanium corni
Mamestra brassicae
Melolontha melolontha
Monacha cantiana
Myzaphis bucktoni (?)
Ozychilus draparnaldi
Periphyllus aceris
Phytomyza atricornis
Rhagoletis cerasi
Suidasia medanensis
Taphropeltus contractus
Theba pisana
Thrips flavus
T. major
Trogoderma granarium
Tyrophagus oudemansi
FRANCE (?):
Leptidea brevipennis
Megastigmus suspectus pinsapinis
GAMBIA:
Parlatoria zizyphus
GERMANY:
Aphis callunae
Arge ochropa
Asterolecanium epidendri
Bruchus lentis
Cladius pectinicornis
Dasyneura inclusa
Euleia heraclei
Frankliniella intonsa
Helix aperta
Laspeyresia splendana
L. strobilella
Mamestra brassicae
Monacha cantiana
Myzus ascalonicus
Oulema melanopa
Phytomyza rufipes
Pityogenes chalcographus
Rhagoletis cerasi
Rhyparochromus pini
Sitona hispidula
Taeniothrips atratus
T. dianthi
Tetranychus viennensis
Thrips flavus
T. major
Trogoderma granarium
Tyrophagus oudemansi
GRAND CAYMAN:
Dysdercus andreae
Pectinophora gossypiella
Termes hispaniolae
GREECE:
Aspidiotus pyri
Bruchus ervi
B. lentis
B. tristis
Calameuta idolon
Ceratitis capitata
Chrysomphalus inopinatus
Cryptoblabes gnidiella
Dacus oleae
Ectomyelois ceratoniae
Ephestia calidella
Haplothrips cottei
Helicella pyramidata
H. striata
Helix aperta
Leucaspis pusilla
Pieris brassicae
Rhagoletis cerasi
Stephanitis pyri
Trogoderma granarium
GUAM:
Achatina fulica
Dacus dorsalis
Phaneroptera furcifera
Sternochetus mangiferae
GUAM (?):
Furcaspis oceanica
GUATEMALA:
Anastrepha ludens
A. mombinpraeoptans
Aspidiotus mendax
A. palmae
Automolis ataenia
Chrysogramma octomaculata
Chrysomphalus umboniferus
Farinococcus guatemalensis
Gnorimoschema gudmannella
Iridomyrmex iniquus
Leucoptera coffeella
Platoceticus symmicta
Protopulvinaria longivalvata
Pseudischnaspis alienus
Puto ulter
Stenoma catenifer
Valtissius diversus
HAITI:
Aceria plucheae
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Brevipalpus phoenicis
Bruchus guttalis
Ecpantheria icasia
Heterotermes cardini
H. convexinotatus
Leucoptera coffeella
Neoleucinodes elegantalis
Neotermes castaneus
Pectinophora gossypiella
Phoebolampta excellens
Trogoxylon prostomoides
Unaspis citri
Vinsonia stellifera
HAWAII:
Achaea janata
Achatina fulica
Adoretus sinicus
Antonina graminis
Aulacaspis crawii
Blastobasis inana
Bradybaena similaris
Brevipalpus phoenicis
Caryedon gonagra
Ceratitis capitata
Ceresium unicolor
Ceroplastes rubens
Coccus viridis
Conotelus mexicanus
Cryptophlebia illepida
C. ombrodelta
Cryptotermes brevis
Dacus cucurbitae
D. dorsalis
Dialeurodes kirkaldyi
Diocalandra taitensis
Diploptera punctata
Ectomyelois ceratoniae
Elimaea punctifera
Eobia bicolor

Countries of Origin and Insects—Continued

HAWAII—*Continued*
Frankliniella sulphurea (?)
Geotomus pygmaeus
Graptostethus manillensis
Haplothrips gowdeyi
Kalotermes immigrans
Lampides boeticus
Lepidosaphes tokionis
Maruca testulalis
Megacerus alternatus
Mimosestes sallaei
Monomorium destructor
Morganella longispina
Neophyllaphis araucariae
Nysius delectulus
Orchidophilus aterrimus
Parlatoria crotonis
Pealius hibisci
Pectinophora gossypiella
Pentalonia nigronervosa
Perkinsiella saccharicida
Pheidole megacephala
Pinnaspis buxi
Praecades thecophora
Pseudaonidia clavigera
Pseudococcus giffardi
P. mali
P. palmarum
"Pseudoparlatoria" giffardi
Pulvinaria psidii
P. urbicola (?)
Selenothrips rubrocinctus
Sinoxylon conigerum
Siphanta acuta
Stator limbatus
S. pruininus
Sternochetus mangiferae
Sybra alternans
Taeniothrips hawaiiensis
T. vitticornis
Tetranychus neocalidonicus
Toxoptera citricidus
Trionymus sacchari
Tyrophagus tropicus
Xiphidiopsis lita
HONDURAS:
Anastrepha mombinpraeoptans
Aspidiotus destructor
Aulacaspis tubercularis
Coptotermes crassus
Dysdercus mimus
D. suturellus (?)
Heterotermes convexinotatus
Nasutitermes corniger
Pheidole megacephala
Pseudischnaspis alienus
Stenoma catenifer
Vinsonia stellifera
Zeadiatraea lineolata
HONG KONG:
Cylas formicarius
C. formicarius elegantulus
C. formicarius formicarius
Parlatoria zizyphus
Pectinophora gossypiella
Trogoderma granarium
HUNGARY:
Frankliniella intonsa
Rhagoletis cerasi
Taeniothrips atratus
T. dianthi
Thrips flavus
INDIA:
Callosobruchus analis
Dinoderus brevis
Heterobostrychus aequalis
Lyctus africanus
L. linearis
Minthea rugicollis
Monomorium destructor
Parapsuto taraktogeni
Parlatoria cinerea
P. crypta
Pectinophora gossypiella
Sinoxylon anale
S. conigerum
Sternochetus mangiferae
Targionia glomerata
Trogoderma granarium
INDONESIA:
Aspidiotus destructor
Monomorium destructor
IRAN:
Aceria macrorhynchus
Bruchus ervi
Ceratitis capitata
Nilotaspis halli
IRAQ:
Trogoderma granarium
IRELAND:
Bradysia carbonaria
Steneotarsonemus laticeps
Thrips flavus
ISRAEL:
Aonidiella citrina
Ceratitis capitata
Chirothrips meridionalis
Chrysomphalus inopinatus
Cryptoblabes gnidiella
Ectomyelois ceratoniae
Eurydema ornatum
Haplothrips gowdeyi
Parlatoria zizyphus
Prodenia litura
ISRAEL (?):
Rhagoletis cerasi
ITALY:
Acrolepia assectella
Anuraphis apisfoliae (?)
A. cardui
Apion carduorum
Ardis sulcata
Bruchus ervi
B. lentis
B. signaticornis
B. tristis
Cacaecimorpha pronubana
Ceratitis capitata
Ceroplastes rusci
Cochlicella barbara
C. ventrosa
Cryptoblabes gnidiella
Dacus oleae
Diaspis minima
D. zamiae
Dicyphus annulatus
Drasterius bimaculatus
Dyspessa ulula
Ectomyelois ceratoniae
Endelomyia aethiops
Eurytoma infracta
Euscelis plebejus
Forficula decipiens
F. pubescens
Gnorimoschema ocellatella
Gortyna flavago
Helicella caperata
H. conspurcata
H. itala
H. maritima
H. striata
Helix aperta
H. aspersa
H. pomatia
Hemimene juliana
Laspeyresia nigricana
L. splendana
Lepidosaphes ficus
Limax marginatus
L. maximus
Lobesia botrana
Macroplax fasciata
Mamestra brassicae
Monacha cantiana
M. carthusiana
Ostrinia nubilalis
Otala lactea
O. vermiculata
Oxychilus alliarius
Parlatoria zizyphus
Pectinophora gossypiella

Countries of Origin and Insects—Continued

ITALY—Continued
Phalonia zephyrana
Pieris brassicae
Prays oleellus
Rhagoletis alternata (?)
R. cerasi
Rumina decollata
Sesamia cretica
Sparteus villosus
Sterrha inquinata
Targionia vitis
Tetranychus cinnabarinus
T. ludeni
Theba pisana
Thrips major
Trogoderma granarium
Udea ferrugalis
ITALY (?):
Brevipalpus obovatus
JAMAICA:
Acanthoderes circumflexa
Aganactesis indecora
Aleurocanthus woglumi
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Asterolecanium epidendri
A. simile
Cerconota anonella
Ectomyelois ceratoniae
Epinotia aporema
Eutetranychus banksi
Lamellaxis gracilis
Mimosestes sallaei
Palaeopus costicollis
Pectinophora gossypiella
Pentalonia nigronervosa
Pseudaonidia trilobitiformis
Pseudischnaspis bowreyi
Vinsonia stellifera
JAPAN:
Acronicta rumicis
Aethus indicus
Aleurocanthus spiniferus
Aleurolobus marlatti
Aleurotrachelus camelliae
Aleurotuberculatus aucubae
Aonidiella citrina
Aspidiotus degeneratus
Brevipalpus obovatus
Bryobia chari
Callidium rufipenne
Carposina niponensis
Ceronema japonica
Chilo suppressalis
Chionaspis wistariae
Clanis phalaris
Cryptotermes brevis
Dialeurodes tristylii
Dichocrocis punctiferalis
Euborellia plebeja
Eucanocephalus platynotum
Fiorinia proboscidaria
Frankliniella formosae
F. lilivora
Homoeogryllus japonicus
Lamellaxis gracilis
Lecanium corni
Lepidosaphes conchiformis
L. kuwacola
L. newsteadi
L. pini
L. tubulorum
L. yanagicola
Macrosiphum formosanum
Mamestra brassicae
Maruca testulalis
Matsucoccus matsumurae
Matsumuraeses phaseoli
Megastigmus cryptomeriae
Morganella longispina
Nipponaclerda biwakoensis
Ostrinia nubilalis
Parlatoria zizyphus
Patanga japonica
Pentamerismus oregonensis
Pinnaspis buxi
Pseudococcus azaleae
P. citriculus
P. pini
Pulvinaria aurantii
Reticulitermes speratus
Sesamia inferens
Stephanitis pyrioides
Taeniothrips distalis
T. gracilis
Tenuipalpus japonicus
Tetranychus viennensis
Thrips flavus
Trogoderma granarium
Unaspis citri
U. yanonensis
JAPAN (?):
Caryedon gonagra
Nephotettix apicalis
Pelopidas mathias oberthuri
Xylopsocus castanoptera
KENYA:
Caryedon gonagra
Chrysomphalus opimus (tentative)
Vinsonia stellifera
KOREA:
Callosobruchus ademptus
Frankliniella formosae
Trogoderma granarium
KUWAIT:
Trogoderma granarium
KWAJALEIN:
Furcaspis oceanica
LEBANON:
Aonidiella citrina
Bruchus ervi
Ceratitis capitata
Chrysomphalus inopinatus
Dacus oleae
Lobesia botrana
LIBERIA:
Parlatoria zizyphus
LIBYA:
Helicella conspurcata
Theba pisana
MADEIRA ISLANDS:
Coccus viridis
MARTINIQUE:
Heterotermes convexinotatus
MEXICO:
Aegiale hesperiaris
Agroiconota propinqua
Aleurocanthus woglumi
Aleuroglandulus emmae
Alpheias conspirata
Amitermes wheeleri
Anastrepha ludens
A. mombinpraeoptans
A. serpentina
Arphnus melanotylus
Aspidiotus destructor
A. palmae
Asterolecanium inlabefactum
A. miliaris robustum
Aulacoscelis melanocera
Batrachedra linaria
Brevipalpus obovatus
Calyptocephala marginipennis
Camirus moestus
Caryedon gonagra
Cecilioides acicula
Charidotis seminulum
Chilo loftini
Chrysomphalus agavis
C. albopictus
C. personatus
C. sphaerioides
C. tenax
C. umboniferus
Conotelus mexicanus
Corythucha mcelfreshi
Cryptophlebia ombrodelta
Deloyala guttata
Diorymerellus laevimargo
Ectomyelois muriscis
Everes comyntas

Countries of Origin and Insects—Continued

MEXICO—Continued
Exitianus obscurinervis
Exptochiomera oblonga
Fiorinia theae
Gnorimoschema gudmannella
Grapholitha packardi
Gymnococcus agavium
Gynaikothrips ficorum
Haplothrips clarisetis (?)
Helicina strebeli
Insara tolteca
Iphiclides protesilaus
Iridomyrmex iniquus
Isorhinus undatus
Labia arcuata
Lamellaxis gracilis
Lepidosaphes philococcus
Leptodictya sinaloana
Leptopharsa usingeri
Ligyrocoris auriviliana
L. nitidulus
Loxostege bifidalis
Lygus lineolaris
Micrapate labialis
Mimosestes sallaei
Moodna bisinuella
Mormidea inermis
Myelobia smerinthus
Myodocha longicollis
Nasutitermes corniger
Neoleucinodes elegantalis
Nysius raphanus
N. tenellus
Ogdoecosta biannularis
Onychaspidium apicale
Oxacis xerensis
Oxychilus alliarius
Pachybrachius albocinctus
Parisoschoenus expositus
P. flavolimbatus
Parlatoria cinerea
Pectinophora gossypiella
Pemphigus populiramulorum
Pheidole megacephala
Philaspis bivulnerata
Phorodon menthae
Plagiomorpha scabricula
Platynota rostrana
Podisus lineolatus
Polyglypta costata
Procryptotermes hubbardi
Pseudacysta perseae
Pseudischnaspis alienus
Ptilia versicolor
Puto mexicanus
Sparedrus depressus
Stator limbatus
Stenoma catenifer
Talponia batesi
Taylorilygus pallidulus
Tenthecoris bicolor
Tenthecoris distinctus
Tenuirostritermes cinereus
Thyanta pallidovirens
Trialeurodes vitrinellus
Trionymus sacchari
Unaspis citri
Vinsonia stellifera
Xylobiops parilis
X. sextuberculatus

MONTSERRAT:
Ectomyelois ceratoniae

MOROCCO:
Cochlicella barbara
C. ventrosa
Helicella conspurcata
Metopoplax ditomoides
Nezara viridula
Otala lactea
O. vermiculata
Pieris brassicae
Thaumatomyia notata flavifrons
Theba pisana

MOZAMBIQUE:
Trogoderma granarium

NETHERLANDS:
Adoxophyes orana
Aspidiotus zonatus
Bruchus affinis
Cepaea hortensis (?)
Ceutorhynchus erysimi
Dialeurodes chittendeni
Diaspis juniperi
Haplothrips aculeatus
Helicella ericetorum
Helix aperta
Limothrips denticornis
Lygus lucorum
Mamestra brassicae
Myzus ascalonicus
Oulema melanopa
Phytomyza rufipes
Rhagoletis cerasi
Sitona lineata
Taeniothrips atratus
Thrips flavus
Trionymus lounsburyi
Trogoderma granarium
NETHERLANDS (?):
Trogoderma granarium
NETHERLANDS NEW GUINEA:
Cosmopolites sordidus
NETHERLANDS WEST INDIES:
Cylas formicarius elegantulus
NEW GUINEA:
Cosmopolites sordidus
NEW ZEALAND:
Brevipalpus obovatus
Nysius huttoni
NICARAGUA:
Aleurocanthus woglumi
Anastrepha mombinpraeoptans
A. serpentina
Chrysomphalus calurus
C. personatus
Stenoma catenifer
Tenthecoris vestitus
Vinsonia stellifera
NIGERIA:
Caryedon gonagra
Ceratitis colae (?)
Pseudococcus boninsis
Trogoderma granarium
NORTHERN IRELAND:
Stenotarsonemus laticeps
NORWAY:
Aphis callunae
Argyresthia conjugella
Eremocoris plebejus
Evergestis forficalis
Ips typographus
Taeniothrips atratus
T. ericae
OKINAWA:
Parlatoria zizyphus
Pheidole megacephala
Popillia lewisi
Pulvinaria psidii
OKINAWA (?):
Sinozylon conigerum
Stromatium longicorne
PAKISTAN:
Sinoxylon conigerum
Trogoderma granarium
PALMYRA ISLAND:
Pseudococcus neobrevipes
PALMYRA ISLAND (?):
Eobia bicolor
PANAMA:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Aspidiotus destructor
Cephaloleia pretiosa
Chrysomphalus odontoglossi
C. umboniferus
Ecpantheria eridanus
Lepidosaphes tokionis
Metamasius hemipterus sericeus
Pentalonia nigronervosa
Pinnaspis buxi
Pseudischnaspis alienus

Countries of Origin and Insects—Continued

PANAMA—Continued
Stenoma catenifer
Unaspis citri
Vinsonia stellifera
PANAMA (?):
Unaspis citri
PERU:
Acanthoscelides obreptus
Ceratitis capitata
Clerada apicicornis
Dallasiellus orchidiphilus
Heliz aspersa
Lincus rufospilotus
Mecolaemus carvalhoi
Pagiocerus fiorii
Pentalonia nigronervosa
Rhynchotermes nasutissimus
Selenothrips rubrocinctus
Tenthecoris distinctus
Trionymus sacchari
Vinsonia stellifera
PHILIPPINES:
Aonidiella inornata
Aspidiotus destructor
A. excisus
A. palmae
Aulacaspis tubercularis
Caryedon gonagra
Cosmopolites sordidus
Cryptophlebia ombrodelta
Cylas formicarius elegantulus
Dialeurodes kirkaldyi
Ectomyelois ceratoniae
Eobia bicolor
Fiorinia theae
Furcaspis haematochroa
Heterobostrychus aequalis
Leptocoriza varicornis
Monomorium destructor
Parlatoria cinerea
P. zizyphus
Pheidole megacephala
Phenacaspis cockerelli
Polytus mellerborgi
Pseudaonidia trilobitiformis
Pseudococcus lilacinus
Stephanitis typica
Taeniothrips vitticornis
Tenuipalpus pacificus
Trogoxylon aequale
Unaspis yanonensis
PHILIPPINES (?):
Nephotettix apicalis
Rehimena phrynealis
Trogoderma granarium
POLAND:
Argyresthia conjugella
Endelomyia aethiops
Frankliniella intonsa
Rhagoletis cerasi
Taeniothrips atratus
T. dianthi
PORTUGAL:
Bruchus guttalis
Caryedon gonagra
Ceratitis capitata
Ectomyelois ceratoniae
Hemimene juliana
Laspeyresia splendana
Pheidole megacephala
Rhagoletis cerasi
Sitona lineata
PUERTO RICO:
Anastrepha mombinpraeoptans
A. suspensa
Ancylostomia stercorea
Asterolecanium bambusae
Cylas formicarius elegantulus
Doru albipes
Ectomyelois ceratoniae
Maruca testulalis
Oxycopis vittata
Pinnaspis caricis
Protopulvinaria longivalvata
"Targionia" sacchari
PUERTO RICO (?):
Anastrepha suspensa
REPUBLIC OF SOUTH AFRICA:
Blissus diplopterus
Bostrychoplites cornutus
Ceratitis capitata
"Chionaspis" leucadendri
Diaphone eumela
Diaspis zamiae
Epichorista ionephela
Forficula senegalensis
Frankliniella schultzei
Mesochelidura peringueyi
Nezara viridula
Odonaspis ruthae
Opogona sacchari
Parlatoria pittospori
Phlyctinus callosus
Phricodus hystrix
Pseudococcus gahani
Specularius erythrinae
Xiphistes furcicornis
REPUBLIC OF THE CONGO:
Callosobruchus rhodesianus
RUMANIA:
Grapholitha janthiana (?)
ST. KITTS:
Ancylostomia stercorea
Coccus viridis
Pheidole megacephala
ST. LUCIA:
Lamellaxis gracilis
Subulina octona
"Targionia" hartii
SCOTLAND:
Aphis callunae
Gelechia ericetella
Limothrips denticornis
Rhynchites auratus
Taeniothrips atratus
T. ericae
Thrips flavus
T. major
Tyrophagus oudemansi
SENEGAL:
Trogoderma granarium
SINGAPORE:
Bemisia tabaci
Pheidole megacephala
Trogoderma granarium
SOLOMON ISLANDS:
Pheidole megacephala
SOUTH AMERICA (country(?)):
Solenopsis saevissima richteri
SOUTH PACIFIC:
Cassida circumdata
Sardia pluto
SOUTHWEST PACIFIC:
Eobia bicolor
SPAIN:
Acrolepia assectella
Brachycerus algirus
Brevipalpus obovatus
B. phoenicis
Bruchus lentis
B. signaticornis
Callidium violaceum
Ceratitis capitata
Chilo suppressalis
Cochlicella barbara
C. conoidea
Cryptoblabes gnidiella
Dactylotrypes uyttenboogaarti
Dyspessa ulula
Gymnococcus agavium
Helicella conspurcata
H. maritima
H. neglecta
H. variabilis
Helix aspersa
Laspeyresia splendana
Limax marginatus
Lorryia mali
Ostrinia nubilalis
Otala vermiculata
Parlatoria zizyphus

Countries of Origin and Insects—Continued

SPAIN—Continued
Plusia orichalcea
Rhagoletis cerasi
Rhaphogaster nebulosa
Sesamia nonagrioides
Theba pisana
Thrips angusticeps
SUDAN:
Trogoderma granarium
SURINAM:
Parlatoria cinerea
Subulina octona
SWEDEN:
Acanthothrips coriaceus
Anuraphis cardui
Frankliniella intonsa
Molorchus minor
SWITZERLAND:
Cecilioides acicula
Psylla mali
Stenoptilia stigmatodactyla
TAHITI:
Brevipalpus phoenicis
Dialeurodes kirkaldyi
Morganella longispina
Parlatoria cinerea
TANGANYIKA:
Mamestra brassicae
THAILAND:
Cylas formicarius
Heterobostrychus aequalis
Lepidosaphes piunicae
Minthea rugicollis
Parlatoria zizyphus
Trogoderma granarium
TORTOLA:
Aspidiotus destructor
TRINIDAD:
Anastrepha mombinpraeoptans
Euscepes postfasciatus
Monomorium destructor
Nasutitermes costalis
Orthezia praelonga
Palaeopus costicollis
Parlatoria cinerea
Pectinophora gossypiella
Tropidacris latreillei
Vinsonia stellifera
TURKEY:
Ceratitis capitata
Cochlicella barbara
Ectomyelois ceratoniae
Helicella derbentina
H. striata
Laspeyresia splendana
Pectinophora gossypiella
Theba pisana
UNITED ARAB REPUBLIC:
Ceratitis capitata
Gnorimoschema ocellatella
Hellula undalis
Lampides boeticus
Pectinophora gossypiella
Trogoderma granarium
UNKNOWN:
Adoxophyes orana
Ancognatha scarabaeoides
Callipogon armillatum
Callosobruchus rhodesianus
Ceratitis capitata
Chilo suppressalis
Chrysomphalus personatus
Cochlicella ventrosa
Dacus oleae
Eriophyes canestrinii
Eucalymnatus tessellatus
Exitianus obscurinervis
Gelechia ericetella
Grapholitha janthiana (?)
Helicella itala
H. striata
H. variabilis
Helix pomatia
Laspeyresia strobilella
Listronotus palustris
Lobesia botrana (?)
Monomorium destructor
Myzus ascalonicus
Nezara viridula
Onthophagus taurus
Parlatoria cinerea
P. zizyphus
Phytomyza rufipes
Plagionotus arcuatus
Porphyrobaphe iostoma
Pseudococcus gahani
Rhagoletis cerasi
Schoenobius incertulas
Taeniothrips atratus
T. dianthi
"Targionia" hartii
Tetranychus viennensis
Theba pisana
Thrips angusticeps
T. flavus
T. major
Trogoderma granarium
Tropidacris latreillei
Vinsonia stellifera
Xylomeira torquata
VENEZUELA:
Aceria tulipae
Aulacaspis tubercularis
Cerconota anonella
Engonus subcylindricus
Mimosestes sallaei
Neoleucinodes elegantalis
Otosema odorata
Parozacis antillarum
Synrias diffundens
Vinsonia stellifera
VENEZUELA (?):
Hemiargus hanno
Minthea rugicollis
VIETNAM:
Cryptothelea minuscula
WEST INDIES (island(?)):
Anastrepha mombinpraeoptans
Unaspis citri
YUGOSLAVIA:
Dyspessa ulula
Grapholitha janthiana (?)
Homotoma ficus
Laspeyresia splendana
Ostrinia nubilalis
Sterrha inquinata

Pests Collected and Reported From July 1, 1960, Through June 30, 1961

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
‡*Aecidium cannonii* Griff.:					
Fouquieria sp. (leaf)	Mexico	1			Tex.
†*Aphelenchoides bicaudatus* Imamura:					
Ipomoea batatas (sweetpotato)	do	1			Tex.
Aphelenchoides fragariae (Ritzema Bos) Christie(?):					
Bletilla striata (orchid) stem sheath	Japan			1	N.J.
†*Ascochyta caricae* Pat.:					
Carica papaya (papaya)	Eniwetok, Mexico	1	1		Hawaii, Tex.
†*Ascochyta citri* Penz.:					
Citrus aurantium (sour orange)	Japan		1		Calif.*
‡*Ascochyta cycadina* Scalia:					
Cycas revoluta (sago palm)	Okinawa			1	Hawaii.
‡*Ascochyta passiflorae* Penz. & Sacc.:					
Passiflora sp. (passionflower) fruit	Colombia	1			Calif.
‡*Ascochyta phaseolorum* Sacc.:					
Phaseolus vulgaris (bean)	Brazil		2		Calif.,* S.C.
‡*Asterinema caseariae* Bat. & Gayão(?):					
Maxillaria sp. (orchid)	Costa Rica			1	Fla.
Botryosphaeria palmigena (Berk. & Curt.) Bomm. & Rouss.:					
Chamaedorea elegans (palm) leaf	Mexico	2			Tex.
‡*Camarosporium chenopodii* Ell. & Ev.:					
Exomis axyrioides (seed)	Republic of South Africa			1	D.C.
‡*Camarosporium limonii* Cke.:					
Citrus sinensis (sweet orange)	Australia		1		Hawaii.
‡*Camarosporium setuliferum* (Speg.) Petr. & Syd.:					
Lophocereus schottii (cactus)	Mexico			1	Ariz.
‡Carnation ringspot virus:					
Dianthus sp. (cutting)	Denmark			1	N.J.
Ceratocystis narcisseii (Limber) J. Hunt:					
Narcissus sp. (bulb)	England			1	Calif.*
Cercospora brachiata Ell. & Ev.:					
Phaseolus vulgaris var. (string bean)	Puerto Rico	1			P.R.
Cercospora brassicicola P. Henn.:					
Brassica sp.	Japan		1		P.R.
Cercospora coleroides Sacc.:					
Casimiroa sp. (leaf)	Mexico	1			Ariz.
‡*Cercospora moricola* Cke.:					
Morus sp. (mulberry) leaf	do		1		Tex.
†*Cercospora punicae* P. Henn.:					
Punica granatum (pomegranate)	India	1			Hawaii.
†*Cercospora vaginae* Krüger:					
Saccharum sp.	do	1			Hawaii.
‡*Chaetothyrina musarum* (Speg.) Th. sensu Batista:					
Musa paradisiaca (plantain)	Mexico	1			Tex.
Chrysomyza ledi d By. var. *rhododendri* (d By.) Savile:					
Rhododendron ferrugineum (rock rhododendron)	Switzerland	7			N.J., N.Y.
R. uniflorum	Canada			1	Wash.
Rhododendron sp.	Switzerland	7		1	Ill., N.Y.
‡*Ciliospora gelatinosa* Zimm.:					
Palm (frond)	Mexico	1			Tex.
‡*Circinella minor* Lendner(?):					
Citrullus vulgaris (watermelon)	do	1			Tex.
†*Coleosporium asterum* (Diet.) Syd.:					
Aster sp.	Korea	1			Wash.
†*Colletotrichum dematium* (Fr.) Grove f. *spinaciae* (Ell. & Halst.) Arx:					
Spinacia oleracea (spinach)	Japan		1		Calif.*
†*Coniothecium chomatosporum* Oda.(?):					
Malus sylvestris (apple)	Australia	1			Hawaii.
Coniothyrina agaves (Dur. & Mont.) Petr. & Syd.:					
Agave sp.	Mexico			1	Tex.
‡*Coniothyrium brevisporum* I. Miyake:					
Oryza sativa (rice) straw	China	1			Wash.
‡*Coniothyrium palmicolum* (Fr.) Starb.:					
Palm (seed)	Mexico			1	Ariz.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Criconemoides mutabile Taylor:					
Soil with *Deloniz regia* (flamboyant-tree)	Mexico			1	Tex.
Soil with *Philodendron* sp.	do			1	Ariz.
Soil with unidentified plant	do			1	Ariz.
Cryptospora longispora Servazzi:					
Araucaria excelsa (Norfolk-Island-pine) seed	Australia, Norfolk Island, unknown.			6	Calif.,* Fla., N.J.
Cumminsiella mirabilissima (Pk.) Nannf.:					
Mahonia aquifolium (Oregon-grape)	Canada			1	Wash.
Cylindrocarpon candidum (Lk.) Wr.:					
Polygonum aubertii (root)	Netherlands			1	N.J.
†*Cylindrocladium scoparium* Morg.:					
Stanhopea sp. (orchid) leaf	Mexico			1	Tex.
‡*Cylindrosporium toxicodendri* Ell. & Ev.:					
Schinus molle (California peppertree)	do	1			Tex.
†*Cymadothea trifolii* (Fr.) Wolf:					
Trifolium resupinatum (Persian clover) seed	Pakistan			1	D.C.
Cytospora sacchari Butl.:					
Saccharum officinarum (sugarcane) node	Mexico		1		Tex.
Dendrophoma obscurans (Ell. & Ev.) H. W. Anderson:					
Fragaria sp. (strawberry) leaf	France, Germany			5	N.Y.
Dendryphion interseminata (Berk. & Rav.) Hughes:					
Dahlia hybrid (root)	Mexico			1	Tex.
†*Diaporthe batatis* Harter & Field:					
Ipomoea batatas (sweetpotato)	do	1			Ariz.
Didymellina ornithogali Jacques:					
Ornithogalum thyrsoides (Cape chinkerichee)	Republic of South Africa	1			Mass.
‡*Didymium squamulosum* (Alb. & Schw.) Fr.:					
Chamaedorea elegans (palm) leaf	Mexico	1			Tex.
†*Dinemasporium graminum* Lév.:					
Secale cereale (rye) straw jacket	Chile(?)	1			Fla.
Diplodia coccocarpa Sacc.:					
Cocos nucifera (coconut) cap	Hawaii, Tahiti	3			Calif.*
Diplodia oryzae I. Miyake:					
Oryza sativa (rice) straw	Japan		31		Calif.*
†*Diplodina grossulariae* Sacc. & Briard:					
Ribes sp. (stem)	Norway			1	Calif.*
†*Discula quercina* (West.) Arx:					
Quercus phillyreoides	Japan			1	N.J.
Ditylenchus dipsaci (Kühn) Filip.:					
Narcissus 'Beryl', 'Charity May', 'Cobweb', 'Moschatus of Haworth', 'Nor-Nor', 'Snipe', 'Stafford'	England			7	N.J.
N. bulbocodium (petticoat daffodil)	do			1	N.J.
N. bulbocodium var. *conspicuus*	do			1	N.J.
N. filifolius	do			1	N.J.
N. juncifolius	do			1	N.J.
N. odorus (campernelle jonquil)	do			1	N.J.
Narcissus sp.	do			1	N.J.
†*Dothiorella araucariae* (Vogl.) Petr.:					
Araucaria cunninghamii (seed)	Australia			2	Fla.
Araucaria sp. (seed)	Nicaragua			1	Fla.
‡*Dothiorella barringtoniae* (Cke. & Massee) Petr. & Syd.:					
Barringtonia speciosa (India barringtonia)	Hawaii	1			Calif.*
Elsinoe australis Bitanc. & Jenkins:					
Citrus aurantifolia (sour lime)	Brazil, unknown		3		Calif.,* P.R.
C. limon (lemon)	Argentina, Brazil, unknown.		28		Ala., Calif.,* Ga., Fla., La., N.Y.
C. paradisi (grapefruit)	Argentina, Brazil		6		Calif.,* Fla., N.Y., Tex.
C. reticulata (Mandarin orange)	Argentina, unknown	6	16		Fla., N.Y.
C. sinensis (sweet orange)	Argentina, Brazil, unknown, Uruguay.	7	97		Ala., Calif.,* Fla., Ga., Hawaii, La., Md., Mich., N.Y., N.C., Pa., P.R., Tex., Va.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
‡*Elsinoe lepagei* Bitanc. & Jenkins:					
Pouteria campechiana (leaf)	Mexico	1			Ariz.
†*Elsinoe mangiferae* Bitanc. & Jenkins:					
Mangifera indica (mango)	Antigua	1			P.R.
†*Fusarium solani* (Mart.) Appel & Wr. emend Snyd. & Hans.:					
Solanum tuberosum (potato)	Peru	1			Fla.
‡*Gonatobotrys simplex* Cda.:					
Lycopersicon esculentum (tomato)	Mexico		1		Ariz.
†"Greasy spot":					
Citrus sp. (leaf)	Dominican Republic, Puerto Rico.	2			P.R.
‡*Guignardia bidwellii* (Ell.) Viala & Ravaz:					
Vitis sp. (grape)	Chile	1			N.Y.
Gymnosporangium haraeanum Syd.:					
Juniperus chinensis (pyramid Chinese juniper)	Japan			6	Hawaii, Wash.
J. chinensis var. *sargentii*	do			2	Hawaii.
Helicotylenchus nannus Steiner:					
Soil with plants (*Asparagus* sp., *Capsicum annuum*, *Citrus* sp., *Echeveria* sp., *Ficus religiosa*, *Laurus* sp., *Tradescantia* sp., and unidentified plants).	Mexico			9	Ariz., Tex.
Helminthosporium turcicum Pass.:					
Zea mays (corn)	do	1			Ariz.
Heterodera avenae (Wr.) Filip.:					
Soil with *Allium cepa* (onion)	Italy	2			N.Y.
Soil with *Allium sativum* (garlic)	do	2			N.Y.
Soil with automobile	Sweden	1			Fla.
Soil with propagative material (*Citrus limon*, *Freesia* sp., *Rosa* hybrid, *Tulipa* sp., and *Vitis* sp.).	Denmark, England, Germany, Italy.			6	N.Y.
Soil with *Solanum tuberosum* (potato)	Belgium		1		Fla.
Heterodera cacti Filip. & Schuurm. Stek.:					
Soil with *Allium sativum* (garlic)	Mexico		2		N.Y.
Soil with propagative material (*Begonia* sp., cactus, fern, *Philodendron* sp., *Polianthes tuberosa*, and unidentified plants).	Argentina, †Chile, France, Germany, Italy, Mexico, Switzerland.			24	Ariz., Calif.* Fla., N.Y., Tex.
Soil with railway car	Mexico		1		Tex.
Heterodera punctata Thorne:					
Soil with automobile	England	1			Fla.
Soil with propagative material (*Amaryllis* sp., *Begonia* sp., cactus, *Calluna vulgaris*, grass, *Gypsophila* sp., *Philodendron* sp., *Rosa* hybrid, and unidentified plants).	Austria, Belgium, England, Germany, Mexico, Norway, Switzerland.			12	Calif.,* Fla., N.J.,N.Y., Tex.
Soil with railway car	Mexico		1		Tex.
Heterodera rostochiensis Wr.:					
Soil sample	Poland	1			N.Y.
Soil with propagative material (*Amaryllis* sp., *Begonia* sp., cactus, *Chrysanthemum* sp., *Dahlia* hybrid, *Dianthus* sp., fern, *Fragaria* sp., *Haworthia papillosa*, *Hedera* sp., *Medinilla magnifica*, *Paeonia* sp., palm, *Pelargonium zonale*, *Trifolium repens* var., unidentified plants, and *Viola* sp.).	England, Germany, Ireland, Mexico, Poland, Sweden.			19	Ariz.,Calif.,* D.C.,N.J., N.Y., Tex.
Soil with stores (*Apium graveolens*, *A. graveolens* var. *rapaceum*, *Armoracia lapathifolia*, *Brassica rapa*, *Lactuca sativa*, and *Solanum tuberosum*).	Belgium, England, Germany, Netherlands, Spain.		9		Calif.,* Fla., N.Y., Tex.
‡*Hexagonia velutina* Pat.:					
Tree—unidentified	China			1	Hawaii.
Kellermannia anomala (Cke.) Hoehn.:					
Yucca sp.	Mexico	1		1	Ariz., Tex.
†*Lecanidion atratum* (Hedw.) Endl.:					
Aloe sp. (stem)	Bermuda	1			N.Y.
†*Leptosphaeria coffeigena* (Berk. & Curt.) Sacc.:					
Coffea arabica (Arabian coffee)	Mexico			1	Tex.
Lophodermium arundinaceum (Fr.) Chev.:					
Phalaris sp.(?) (mat)	Germany	1			La.
Phragmites sp. (reed) cane	do	1			Oreg.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Macrophoma araucariae De Lac.:					
Araucaria cunninghamii (seed)	New Zealand	-----	-----	1	Calif.*
A. excelsa (Norfolk-Island-pine) seed	Norfolk Island	-----	-----	4	Calif.*
Macrophoma musae (Cke.) Berl. & Vogl.:					
Musa paradisiaca (plantain)	†American Samoa, Japan.	1	1	-----	Hawaii.
M. paradisiaca var. *sapientum* (banana) leaf	Philippines	1	-----	-----	Calif.*
Musa sp. (fruit and leaf)	†Guam, Japan, Philippines, †Singapore.	6	1	-----	Hawaii.
Macrophoma oleae (DC.) Berl. & Vogl.:					
Olea europaea (olive)	Italy	1	-----	-----	N.Y.
Melampsora abieti-caprearum Tub.:					
Salix sp. (willow) herbarium specimen	Mexico	1	-----	-----	Ariz.
Meloidogyne arenaria (Neal) Chitwood:					
Alocasia sp. (rhizome)	do	-----	-----	1	Tex.
Caladium x *hortulanum* 'Candidum' (tuber)	Guatemala	-----	-----	2	N.J.
Caladium sp. (tuber)	do	-----	-----	1	N.J.
Dioscorea sp. (yam) root	Japan	-----	1	-----	Calif.*
Gerbera sp. (root)	do	-----	-----	1	Calif.*
†*Meloidogyne arenaria arenaria* (Neal) Chitwood:					
Zantedeschia aethiopica (calla lily)	do	-----	-----	1	La.
Meloidogyne hapla Chitwood:					
Begonia sp. (tuber)	do	-----	-----	1	Wash.
Clematis sp. (root)	Netherlands	-----	-----	1	N.Y.
Gerbera sp. (pip)	Japan	-----	-----	2	Calif.*
Leontopodium alpinum (common edelweiss) root.	Netherlands	-----	-----	1	N.Y.
Phygelius capensis (capefuchsia)	England	-----	-----	1	N.J.
Rosa hybrids	Germany	-----	-----	2	N.J.
Viburnum fragrans (root)	Netherlands	-----	-----	1	N.Y.
Meloidogyne incognita (Kofoid & White) Chitwood:					
Asparagus sp. (root)	Mexico	-----	-----	1	Tex.
Beta vulgaris (beet)	do	6	-----	-----	Tex.
Daucus carota var. *sativa* (carrot) root	do	1	-----	-----	Tex.
Meloidogyne incognita acrita Chitwood:					
Coriandrum sativum (coriander) root	do	1	-----	-----	Tex.
Gardenia sp. (root)	do	-----	-----	1	Tex.
Polianthes tuberosa (tuberose)	Italy	-----	-----	1	N.Y.
Zantedeschia sp. (calla lily) tuber	Mexico	-----	-----	1	Calif.*
Meloidogyne javanica (Treub) Chitwood:					
Asparagus myriocladus	Japan	-----	-----	1	Calif.*
Asparagus x *sieberianus*	do	-----	-----	1	Calif.*
Cussonia sp. (root)	Republic of South Africa	-----	-----	1	N.J.
Daucus carota var. *sativa* (carrot) root	Mexico	1	-----	-----	Tex.
Euphorbia multiceps (root)	Republic of South Africa	-----	-----	1	Calif.*
Zantedeschia aethiopica (calla lily) tuber	Argentina	-----	-----	1	N.J.
†*Menispora acicola* Ell. & Ev.:					
Theobroma cacao (cacao) pod	Mexico	1	-----	-----	Tex.
†*Menispora ciliata* Cda.:					
Theobroma cacao (cacao) pod	do	1	-----	-----	Tex.
†*Mycosphaerella berberidis* (Auers.) Lindau:					
Mahonia sp.	Japan	-----	-----	1	Hawaii.
†*Mycosphaerella molleriana* (Thuem.) Lindau:					
Eucalyptus sp. (leaf)	Australia	1	-----	-----	Hawaii.
Mycosphaerella schoenoprasi (Ces. & de N.) Schroet.:					
Allium cepa (onion) top	Belgium, Japan	-----	8	-----	Calif.*
A. fistulosum (Welsh onion) top	Japan	-----	4	-----	Calif.,* N.Y.
A. porrum (leek) top	†Australia, Belgium, Japan.	-----	42	-----	Calif.,* P.R.
A. sativum (garlic) top	†Germany	-----	1	-----	Calif.*
Allium spp.	Japan	-----	3	-----	Calif.*
†*Mycosphaerella serrulatae* (Ell. & Ev.) Diehl:					
Palm (leaf)	Colombia	1	-----	-----	Fla.
†*Myiocopron affine* Penz. & Sacc.:					
Agave sp.	Mexico	-----	-----	1	Tex.
†*Myiocopron corrientum* Speg.:					
Diacrium sp. (orchid)	Costa Rica	-----	-----	1	Fla.
Neovossia horrida (Tak.) Padw. & A. Khan:					
Oryza sativa (rice)	India, Japan, †Korea, Philippines.	2	130	-----	Calif.,* Wash.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
‡*Oidium macrosporum* (Farl.) Linder:					
Ricinus communis (castorbean)	Mexico	1			Ariz.
‡*Olpitrichum macrosporum* (Farl.) Sumstine:					
Oryza sativa (rice) straw	Japan	1			Calif.*
Papularia sphaerosperma (Lk.) Hoehn.:					
Bamboo (leaf)	Mexico		1		Tex.
Strongylodon macrobotrys ("jade vine")	†Philippines			1	Calif.*
‡*Periconia pulla* (Bon.) Sacc.:					
Oryza sativa (rice) straw rope	Japan		1		Calif.*
‡*Peronospora destructor* (Berk.) Casp.:					
Allium cepa (onion) top	do		1		Calif.*
Peronospora parasitica Fr.:					
Brassica oleracea var. *capitata* (cabbage)	Netherlands		1		Tex.
†*Phakopsora jatrophicola* Cumm.:					
Jatropha curcas (Barbados-nut) leaf	Dominican Republic	1			P.R.
†*Phoma acicola* (Lév.) Sacc.:					
Pinus spp.	Thailand	1			Calif.*
Phoma citricarpa McAlp.:					
Citrus aurantium (sour orange)	Japan		6		Calif.,* Wash.
C. grandis (pummelo)	Asia (country(?)), China, unknown.	3			Calif.,* Hawaii, Mich.
C. limon (lemon)	Australia, Fiji, Formosa, Japan, New Zealand, unknown.	2	43		Calif.,* Hawaii, Mass., Mich., N.Y., N.C., Pa.
C. medica (Chinese citron)	Japan		1		Tex.
C. paradisi (grapefruit)	Australia, Fiji, Japan	2	1		Calif.,* Hawaii.
C. paradisi x *C. reticulata* (tangelo)	Japan		1		Hawaii.
C. reticulata (Mandarin orange)	China, Formosa, Hong Kong, Japan, unknown.	63	5		Calif.,* Hawaii.
C. sinensis (sweet orange)	Africa (country(?)), Australia, Brazil, China, Formosa, Hong Kong, Japan, Mozambique, Republic of South Africa, unknown, West Pacific.	74	40		Ala., Calif.,* Fla., Hawaii, La., Mass., Md., Mich., Minn., N.J., N.Y., Pa., P.R., Tex., Wash.
Citrus sp. (peel)	Asia (country(?)), China, Hong Kong, unknown.	14			Ariz., Fla., Ill., Mass., Mich., Tex.
‡*Phoma equisetii* Desm.:					
Equisetum sp. (horsetail)	Japan			1	Hawaii.
‡*Phoma lineolata* Desm.:					
Larix decidua (European larch) seed	Scotland			1	N.J.
‡*Phoma malisorica* Bub.:					
Clematis dioscoreifolia var. *robusta* (sweet autumn clematis) seed.	Japan			1	N.J.
†*Phoma oryzae* Cke. & Mass.:					
Oryza sativa (rice) straw	China, India	3			Calif.,* Wash.
Phomopsis cocoes Petch:					
Cocos nucifera (coconut)	Hawaii	2			Calif.*
Phomopsis mahoniae Grove(?):					
Mahonia sp.	Japan			1	Hawaii.
Phomopsis occulta Trav. var. *ginkgoina* Grove:					
Ginkgo biloba (ginkgo) dwarf tree	do			1	Calif.*
Phomopsis palmicola (Wint.) Sacc.:					
Areca cathecu (betel palm) nut	Guam	1			Hawaii.
Phomopsis pterophila (Fckl.) Died.:					
Fraxinus excelsior (European ash) seed	Italy			1	N.J.
‡*Phyllachora bouteluae* Rehm:					
Bouteloua curtipendula (sideoats grama)	Mexico			1	Tex.
B. gracilis (blue grama)	do			1	Tex.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
‡*Phyllachora vulgata* Th. & Syd.:					
Muhlenbergia sp. (muhly grass)	Mexico			1	Ariz.
Phyllosticta aucubicola Sacc.:					
Aucuba japonica 'Croton'	Belgium			1	N.J.
Phyllosticta draconis Berk.:					
Cordyline terminalis (tl) leaf	Hawaii			2	Calif.*
†*Phyllosticta kalmicola* (Schw.) Ell. & Ev.:					
Laurus sp. (laurel) leaf	Mexico	1			Tex.
Phyllosticta mortoni Fairm.:					
Mangifera indica (mango) leaf	do	1			Tex.
‡*Phyllosticta quercus* Sacc. & Speg.:					
Quercus garryana (Oregon white oak) leaf	Canada	1			Wash.
‡*Phyllosticta salicifoliae* P. Brun.:					
Metrosideros sp. (irontree)	Australia	1			Hawaii.
‡*Phyllostictina cordylines* (Thuem.) Petr. & Syd.:					
Cordyline terminalis (tl)	Hawaii	5			Hawaii.
Phyllostictina mangiferae Batista & Vital:					
Mangifera indica (mango) leaf	Mexico	2			Tex.
Physalospora wildemanniana Sacc.:					
Oncidium cebolleta (orchid)	do			1	Tex.
Pratylenchus penetrans (Cobb) Chitwood & Oteifa:					
Dahlia hybrid (root)	Australia			1	N.J.
Pratylenchus pratensis (deMan) Filip.:					
Pelargonium sp. (geranium)	Mexico			1	Tex.
Prospodium appendiculatum (Wint.) Arth.:					
Tecoma stans	do	1			Ariz.
‡*Prospodium peronatum* Syd.:					
Tabebuia rosea (trumpet-tree)	do	1			Ariz.
‡*Prospodium pithecoctenii* (Paz.) Cumm.:					
Pithecoctenium echinatum (Mexican monkey-comb).	do	2			Ariz., Tex.
‡*Pseudomonas gardeniae*(Burkh. & Pirone)Dows.:					
Gardenia jasminoides (leaf)	do	1			Ill.
†*Pseudomonas syringae* v. Hall:					
Citrus limon (lemon)	Republic of South Africa.		1		Calif.
Psilenchus hilarulus deMan:					
Mesembryanthemum sp.	Mexico			1	Tex.
Soil with unidentified plant	do			1	Ariz.
Puccinia arenariae (Schum.) Wint.:					
Dianthus barbatus (sweetwilliam) leaf	England		1		Mass.
Puccinia baccharidis Diet. & Holw.:					
Baccharis sp.	Mexico	1			Ariz.
‡*Puccinia blasdalei* Diet. & Holw.:					
Allium sativum (garlic)	France(?)		1		Minn.
Puccinia boutelouae (Jennings) Holw.:					
Bouteloua curtipendula (sideoats grama)	Mexico			1	Tex.
Puccinia buxi DC.:					
Buxus sp. (boxwood) leaf	France, Ireland	1		1	Calif.,*Mass.
Puccinia carthami Cda.:					
Carthamus tinctorius (safflower)	Mexico		1		Calif.
†*Puccinia hordei* Otth:					
Hordeum vulgare (barley) straw	Kenya	1			Wash.
Puccinia horiana P. Henn.:					
Chrysanthemum morifolium (florists chrysanthemum).	Japan	5	4		Alaska, Hawaii, Wash.
Chrysanthemum sp.	do	4	1	1	Calif.,* Hawaii.
Puccinia kusanoi Diet.:					
Bamboo (leaf)	do	1			D.C.
†*Puccinia magnusiana* Koern.:					
Phragmites sp. (reed) cane	Germany	1			Oreg.
‡*Puccinia noccae* Arth.:					
Lagascea glandulosa (herbarium specimen)	Mexico	1			Ariz.
Puccinia obtecta Pk.:					
Scirpus sp. (bulrush) straw	Mexico, †Portugal	4			Fla., Tex.
Puccinia striiformis West.:					
Secale cereale (rye) leaf	Japan		1		Wash.
Straw—unidentified	do		1		Fla.
†*Puccinia thaliae* Diet.:					
Canna sp. (leaf)	Venezuela	1			N.Y.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Pyrenochaeta oryzae I. Miyake:					
Oryza sativa (rice) straw	†Formosa	1			Calif.*
Radopholus similis (Cobb) Thorne:					
Anthurium sp. (root)	Hawaii			1	Calif.*
Ravenelia papillifera Syd.:					
Cassia sp., probably *bauhinioides*	Mexico	1			Ariz.
‡*Rhizosphaera pini* (Cda.) Maubl.:					
Pinus sp. (pine)	Thailand			1	Calif.*
Rhytisma punctatum (Pers.) Fr.:					
Acer circinatum (vine maple) leaf	Canada	1			Wash.
Scutellonema brachyurum (Steiner) Andrassy:					
Soil with *Crassula* sp. plant	Mexico			1	Tex.
Soil with *Saintpaulia* sp. plant	do			1	Ariz.
†*Scutellonema christiei* (Golden & Taylor) Andrassy:					
Soil with *Philodendron* sp.	do			1	Ariz.
†*Septonema toruloides* Berl.:					
Oryza sativa (rice) hull	Japan		1		Calif.*
Septoria azaleae Vogl.:					
Rhododendron japonicum 'Adonis'	Netherlands			1	N.J.
Septoria citri Pass.:					
Citrus limon (lemon)	Italy, Japan, Spain		4		Calif.,* N.Y.
C. sinensis (sweet orange)	Japan, Spain, unknown	1	7		Calif.,* Tex.
‡*Septoria curvula* I. Miyake:					
Oryza sativa (rice) straw rope and mat	Japan		2		Calif.*
Septoria oryzae Catt.:					
Oryza sativa (rice) straw	do		43		Calif.*
‡*Septoria pruni* Ell.:					
Prunus sp. (leaf)	Italy			1	N.Y.
‡*Sirodesmium granulosum* de N.:					
Cocos nucifera (coconut) cap	Mexico	1			Calif.*
Sphaceloma fawcettii Bitanc. & Jenkins. var. *scabiosa* (McAlp. & Tryon) Jenkins:					
Citrus aurantifolia (lime)	Australia		1		Hawaii.
C. limon (lemon)	do	1	1		Hawaii.
C. sinensis (sweet orange)	do		1		Va.
Sphaceloma punicae Bitanc. & Jenkins:					
Punica granatum (pomegranate)	Italy, Mexico	3			N.Y., Tex.
Sphaerodothis pringlei (Pk.) Th. & Syd.:					
Agave sp.	Mexico			1	Tex.
Sphaeropsis malorum Pk.:					
Euonymus europaeus 'Intermedius'	Canada			1	N.J.
Sphenospora kevorkianii Linder:					
Epidendrum sp. (orchid) leaf	Bahamas, British Honduras, †Haiti, Honduras, unknown.			12	Fla.
Gongora sp. (orchid) leaf	†Peru			1	Fla.
Ionopsis sp. (orchid) leaf	Jamaica			1	Fla.
Oncidium nanum (orchid) leaf	†Brazil			1	Fla.
O. pulchellum (orchid) leaf	†Haiti			1	Fla.
O. stipitatum (orchid) leaf	†Canal Zone			1	Fla.
Oncidium sp.	British Honduras, Cuba.			2	Fla.
Orchid	Jamaica, †Peru			2	Fla.
Rodriguezia batemannii (orchid) leaf	†Peru			1	Fla.
R. decora (orchid) leaf	do			1	Fla.
Rodriguezia sp.	do			1	Fla.
†*Sphenospora mera* Cumm.:					
Bletia sp.(?) (orchid) leaf	Bahamas			1	Fla.
Cataseţum sp. (orchid) leaf	Peru			2	Fla.
Mormodes sp.(?) (orchid) leaf	do			1	Fla.
‡*Sphenospora saphena* Cumm.:					
Oncidium pulchellum (orchid)	Haiti, Jamaica			2	Fla.
Oncidium sp.	Peru			1	Fla.
Orchid	Haiti			1	Fla.
‡*Sphenospora saphena* Cumm.(?):					
Ionopsis utricularioides (orchid) leaf	Jamaica	1			Fla.
Stomatogene agaves (Ell. & Ev.) Th.:					
Agave sp.	Mexico	1		1	Ariz.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Tylenchorhynchus capitatus M. W. Allen:					
Soil with *Citrus* sp. plant	Mexico			1	Ariz.
Tylenchus costatus deMan:					
Soil with *Saintpaulia* sp. plant	do			1	Ariz.
†*Tylenchus filiformis* Bütschli:					
Soil with *Saintpaulia* sp. plant	do			1	Ariz.
Uredo behnickiana P. Henn.:					
Epidendrum prismatocarpum (orchid) leaf	Costa Rica			1	Fla.
E. radiatum	Panama			1	Fla.
Epidendrum sp.	Costa Rica, Nicaragua			2	Fla.
Laelia anceps (orchid)	Mexico			3	Tex.
Oncidium forbesii (orchid) leaf	Brazil			1	Fla.
O. varicosum var. *rogersii*	do			2	Fla.
Oncidium sp.	do			1	Fla.
Orchid (leaf)	Costa Rica			1	Calif.*
Schomburgkia sp. (orchid) leaf	†Peru			1	Fla.
Uredo epidendri P. Henn.:					
Ionopsis utricularioides (orchid)	Trinidad			1	Hawaii.
Ionopsis sp.	Jamaica			4	Fla.
Oncidium triquetrum(?) (orchid)	do			1	Fla.
Oncidium sp.	Trinidad			1	Hawaii.
Orchid (leaf)	Costa Rica, Honduras, Nicaragua.			3	Calif.,* Fla.
Rodriguezia secunda (orchid)	Trinidad			1	Hawaii.
Rodriguezia sp.	†Peru			1	Fla.
Trigonidium egertonianum (orchid) leaf	British Honduras			1	Fla.
Trizeuxis falcata (orchid)	Trinidad			2	Hawaii.
Uredo guacae Mayor:					
Epidendrum sp. (orchid) leaf	Honduras, Jamaica			2	Fla.
Miltonia roezlii (orchid) leaf	Canal Zone			1	Fla.
Odontoglossum sp. (orchid)	Mexico			1	Ariz.
Orchid (leaf)	Ecuador, Panama			4	Fla.
Ornithocephalus sp. (orchid)	Peru			1	Fla.
Sobralia leucoxantha (orchid)	Mexico			1	Tex.
Stanhopea sp. (orchid)	Peru			1	Fla.
Tetramicra parviflora (orchid)	Jamaica			1	Fla.
Zygostates lunata (orchid)	Brazil			1	Fla.
†*Uredo monsterae* Syd.:					
Philodendron sp.(?) (leaf)	Canal Zone			1	Fla.
Uredo nidularii P. Henn.:					
Bromeliad (leaf)	†Costa Rica			2	Fla.
Tillandsia lucida (leaf)	Mexico			1	Tex.
Tillandsia sp.	do			2	Ariz., Tex.
Uredo oncidii P. Henn.:					
Huntleya sp. (orchid) leaf	Costa Rica			1	Fla.
Oncidium bicallosum (orchid)	Guatemala			1	Fla.
O. carthagenense	†Surinam			1	Fla.
O. papilio	Trinidad			1	Fla.
Oncidium sp.	British Honduras, Honduras, Mexico, Panama, Peru, unknown.			9	Fla., Hawaii.
Ornithocephalus sp. (orchid) leaf	Panama, Peru			2	Fla.
Rodriguezia sp.(?) (orchid) leaf	Peru			1	Fla.
Uromyces aloes (Cke.) Magn.:					
Aloe dewetii	Republic of South Africa			1	Tex.
A. simii	do			1	Tex.
A. vryheidensis	do			1	Tex.
Uromyces fabae (Grev.) Cke.:					
Lens culinaris (lentil)	Chile, unknown		2		Minn., W[illegible]
Lens sp. (pod)	†Argentina, Chile	2			N.Y., Pa.
Vicia faba (broadbean) pod	Netherlands		1		Minn.
Uromyces lespedezae-procumbentis (Schw.) Curt.:					
Lespedeza bicolor (shrub lespedeza) seed	Japan			2	Calif.*
Lespedeza sp. (leaf with seed)	†Pakistan			1	D.C.
Ustilago tritici (Pers.) Rostr.:					
Triticum aestivum (wheat)	Mexico	1			Tex.
Volutella pachysandricola B. O. Dodge:					
Pachysandra terminalis	Netherlands			1	N.J.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Xanthomonas citri (Hasse) Dowson:					
Citrus aurantifolia (lime)	India, Philippines, Thailand.	2	2	-----	Calif.,* Hawaii, Md.
C. aurantium (sour orange)	Japan	-----	13	-----	Calif.,* Pa., Tex., Wash.
C. grandis (pummelo)	----do	-----	1	-----	Calif.*
C. ichangensis x *C. reticulata* (ichandarin)	----do	-----	1	-----	Calif.*
C. limon (lemon)	Hong Kong, Japan	-----	18	-----	Calif.,* N.Y., Pa.
C. paradisi (grapefruit)	China, India, Japan, Philippines, unknown.	-----	10	-----	Calif.,* Ga., Pa., Tex., Wash.
C. reticulata (Mandarin orange)	China, Japan	2	1	-----	Calif.,* Hawaii.
C. reticulata 'Unshiu' (Satsuma orange)	Japan	-----	1	-----	N.Y.
C. sinensis (sweet orange)	China, Formosa, Hong Kong, Japan, unknown, Vietnam.	11	63	-----	Calif.,* Hawaii, Ill., Md., N.Y., Pa., Wash.
Citrus sp.	Hong Kong, Japan	1	1	-----	Calif.,* Tex.
Xanthomonas sp. (Cancrosis B):					
Citrus limon (lemon)	Argentina, unknown	-----	3	-----	Fla., La., N.Y.
C. paradisi (grapefruit)	Argentina, unknown	-----	2	-----	Calif.,* N.Y.

An asterisk (*) indicates State inspection.
A dagger (†) indicates a first interception from the country named.
A double dagger (‡) indicates a first interception by Division inspectors.

Hosts and Diseases

ACER:
Rhytisma punctatum (Ascomycetes)
AGAVE:
Coniothyrina agaves (Deuteromycetes)
‡*Myiocopron affine* (Deuteromycetes)
Sphaerodothis pringlei (Ascomycetes)
Stomatogene agaves (Ascomycetes)
ALLIUM CEPA:
Mycosphaerella schoenoprasi (Ascomycetes)
‡*Peronospora destructor* (Phycomycetes)
ALLIUM FISTULOSUM:
Mycosphaerella schoenoprasi (Ascomycetes)
ALLIUM PORRUM:
†*Mycosphaerella schoenoprasi* (Ascomycetes)
ALLIUM SATIVUM:
†*Mycosphaerella schoenoprasi* (Ascomycetes)
‡*Puccinia blasdalei* (Promycetes)
ALLIUM SP.:
Mycosphaerella schoenoprasi (Ascomycetes)
ALOCASIA:
Meloidogyne arenaria (Nematoda)
ALOE:
†*Lecanidion atratum* (Ascomycetes)
Uromyces aloes (Promycetes)
ANTHURIUM:
Radopholus similis (Nematoda)
ARAUCARIA:
Cryptospora longispora (Ascomycetes)
†*Dothiorella araucariae* (Deuteromycetes)
Macrophoma araucariae (Deuteromycetes)
ARECA:
Phomopsis palmicola (Deuteromycetes)
ASPARAGUS:
Meloidogyne incognita (Nematoda)
M. javanica (Nematoda)
ASTER:
†*Coleosporium asterum* (Promycetes)
AUCUBA:
Phyllosticta aucubicola (Deuteromycetes)
BACCHARIS:
Puccinia baccharidis (Promycetes)
BAMBOO:
Papularia sphaerosperma (Deuteromycetes)
Puccinia kusanoi (Promycetes)
BARRINGTONIA:
‡*Dothiorella barringtoniae* (Deuteromycetes)
BEGONIA:
Meloidogyne hapla (Nematoda)
BETA:
Meloidogyne incognita (Nematoda)
BLETIA (?):
†*Sphenospora mera* (Promycetes)
BLETILLA:
Aphelenchoides fragariae (?) (Nematoda)
BOUTELOUA:
‡*Phyllachora bouteluae* (Ascomycetes)
Puccinia bouteluae (Promycetes)
BRASSICA OLERACEA VAR. CAPITATA:
Peronospora parasitica (Phycomycetes)
BRASSICA SP.:
Cercospora brassicicola (Deuteromycetes)
BROMELIAD:
†*Uredo nidularii* (Promycetes)
BUXUS:
Puccinia buxi (Promycetes)
CALADIUM:
Meloidogyne arenaria (Nematoda)
CANNA:
†*Puccinia thaliae* (Promycetes)
CARICA:
†*Ascochyta caricae* (Deuteromycetes)
CARTHAMUS:
†*Puccinia carthami* (Promycetes)
CASIMIROA:
Cercospora coleroides (Deuteromycetes)
CASSIA:
Ravenelia papillifera (Promycetes)
CATASETUM:
†*Sphenospora mera* (Promycetes)
CHAMAEDOREA:
Botryosphaeria palmigena (Ascomycetes)
‡*Didymium squamulosum* (Myxomycetes)
CHRYSANTHEMUM:
Puccinia horiana (Promycetes)

CITRULLUS:
†*Circinella minor* (?) (Phycomycetes)
CITRUS AURANTIFOLIA:
Elsinoe australis (Ascomycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS AURANTIUM:
†*Ascochyta citri* (Deuteromycetes)
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS GRANDIS:
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS ICHANGENSIS X C. RETICULATA:
Xanthomonas citri (Schizomycetes)
CITRUS LIMON:
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
†*Pseudomonas syringae* (Schizomycetes)
Septoria citri (Deuteromycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
Xanthomonas sp. (Cancrosis B) (Schizomycetes)
CITRUS MEDICA:
Phoma citricarpa (Deuteromycetes)
CITRUS PARADISI:
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
Xanthomonas sp. (Cancrosis B) (Schizomycetes)
CITRUS PARADISI X C. RETICULATA:
Phoma citricarpa (Deuteromycetes)
CITRUS RETICULATA:
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS RETICULATA 'UNSHIU':
Xanthomonas citri (Schizomycetes)
CITRUS SINENSIS:
†*Camarosporium limonii* (Deuteromycetes)
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS SP.:
†"Greasy spot"
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CLEMATIS:
Meloidogyne hapla (Nematoda)
‡*Phoma malisorica* (Deuteromycetes)
COCOS:
Diplodia coccocarpa (Deuteromycetes)
Phomopsis cocoes (Deuteromycetes)
‡*Sirodesmium granulosum* (Deuteromycetes)
COFFEA:
†*Leptosphaeria coffeigena* (Ascomycetes)
CORDYLINE:
Phyllosticta draconis (Deuteromycetes)
‡*Phyllostictina cordylines* (Deuteromycetes)
CORIANDRUM:
Meloidogyne incognita acrita (Nematoda)
CUSSONIA:
Meloidogyne javanica (Nematoda)
CYCAS:
‡*Ascochyta cycadina* (Deuteromycetes)
DAHLIA:
Dendryphion interseminata (Deuteromycetes)
Pratylenchus penetrans (Nematoda)
DAUCUS:
Meloidogyne incognita (Nematoda)
M. javanica (Nematoda)
DIACRIUM:
‡*Myiocopron corrientum* (Deuteromycetes)
DIANTHUS:
‡Carnation ringspot virus
Puccinia arenariae (Promycetes)
DIOSCOREA:
Meloidogyne arenaria (Nematoda)

See footnotes at end of this list.

Hosts and Diseases—Continued

EPIDENDRUM:
†*Sphenospora kevorkianii* (Promycetes)
Uredo behnickiana (Promycetes)
U. guacae (Promycetes)
EQUISETUM:
‡*Phoma equisetii* (Deuteromycetes)
EUCALYPTUS:
‡*Mycosphaerella molleriana* (Ascomycetes)
EUONYMUS:
Sphaeropsis malorum (Deuteromycetes)
EUPHORBIA:
Meloidogyne javanica (Nematoda)
EXOMIS:
‡*Camarosporium chenopodii* (Deuteromycetes)
FOUQUIERIA:
‡*Aecidium cannonii* (Promycetes)
FRAGARIA:
Dendrophoma obscurans (Deuteromycetes)
FRAXINUS:
Phomopsis pterophila (Deuteromycetes)
GARDENIA:
Meloidogyne incognita acrita (Nematoda)
‡*Pseudomonas gardeniae* (Schizomycetes)
GERBERA:
Meloidogyne arenaria (Nematoda)
M. hapla (Nematoda)
GINKGO:
Phomopsis occulta var. *ginkgoina* (Deuteromycetes)
GONGORA:
†*Sphenospora kevorkianii* (Promycetes)
HORDEUM:
†*Puccinia hordei* (Promycetes)
HUNTLEYA:
Uredo oncidii (Promycetes)
IONOPSIS:
Sphenospora kevorkianii (Promycetes)
‡*S. saphena* (?) (Promycetes)
Uredo epidendri (Promycetes)
IPOMOEA:
†*Aphelenchoides bicaudatus* (Nematoda)
†*Diaporthe batatis* (Ascomycetes)
JATROPHA:
†*Phakopsora jatrophicola* (Promycetes)
JUNIPERUS:
Gymnosporangium haraeanum (Promycetes)
LAELIA:
Uredo behnickiana (Promycetes)
LAGASCEA:
‡*Puccinia noccae* (Promycetes)
LARIX:
‡*Phoma lineolata* (Deuteromycetes)
LAURUS:
†*Phyllosticta kalmicola* (Deuteromycetes)
LENS:
†*Uromyces fabae* (Promycetes)
LEONTOPODIUM:
Meloidogyne hapla (Nematoda)
LESPEDEZA:
†*Uromyces lespedezae-procumbentis* (Promycetes)
LOPHOCEREUS:
‡*Camarosporium setuliferum* (Deuteromycetes)
LYCOPERSICON:
‡*Gonatobotrys simplex* (Deuteromycetes)
MAHONIA:
Cummunsiella mirabilissima (Promycetes)
‡*Mycosphaerella berberidis* (Ascomycetes)
Phomopsis mahoniae (?) (Deuteromycetes)
MALUS:
†*Coniothecium chomatosporum* (?) (Deuteromycetes)
MANGIFERA:
†*Elsinoe mangiferae* (Ascomycetes)
Phyllosticta mortoni (Deuteromycetes)
Phyllostictina mangiferae (Deuteromycetes)
MAXILLARIA:
‡*Asterinema cascariae* (?) (Ascomycetes)
MESEMBRYANTHEMUM:
Psilenchus hilarulus (Nematoda)
METROSIDEROS:
‡*Phyllosticta salicifoliae* (Deuteromycetes)
MILTONIA:
Uredo guacae (Promycetes)
MORMODES (?):
†*Sphenospora mera* (Promycetes)
MORUS:
‡*Cercospora moricola* (Deuteromycetes)
MUHLENBERGIA:
‡*Phyllachora vulgata* (Ascomycetes)
MUSA:
‡*Chaetothyrina musarum* (Ascomycetes)
†*Macrophoma musae* (Deuteromycetes)
NARCISSUS:
Ceratocystis narcissii (Ascomycetes)
Ditylenchus dipsaci (Nematoda)
ODONTOGLOSSUM:
Uredo guacae (Promycetes)
OLEA:
Macrophoma oleae (Deuteromycetes)
ONCIDIUM:
Physalospora wildemanniana (Ascomycetes)
†*Sphenospora kevorkianii* (Promycetes)
‡*S. saphena* (Promycetes)
Uredo behnickiana (Promycetes)
U. epidendri (Promycetes)
†*U. oncidii* (Promycetes)
ORCHID:
†*Sphenospora kevorkianii* (Promycetes)
‡*S. saphena* (Promycetes)
Uredo behnickiana (Promycetes)
U. epidendri (Promycetes)
U. guacae (Promycetes)
ORNITHOCEPHALUS:
Uredo guacae (Promycetes)
U. oncidii (Promycetes)
ORNITHOGALUM:
Didymellina ornithogali (Ascomycetes)
ORYZA:
‡*Coniothyrium brevisporum* (Deuteromycetes)
Diplodia oryzae (Deuteromycetes)
†*Neovossia horrida* (Promycetes)
‡*Olpitrichum macrosporum* (Deuteromycetes)
‡*Periconia pulla* (Deuteromycetes)
†*Phoma oryzae* (Deuteromycetes)
†*Pyrenochaeta oryzae* (Deuteromycetes)
†*Septonema toruloides* (Deuteromycetes)
‡*Septoria curvula* (Deuteromycetes)
S. oryzae (Deuteromycetes)
PACHYSANDRA:
Volutella pachysandricola (Deuteromycetes)
PALM:
†*Ciliospora gelatinosa* (Deuteromycetes)
‡*Coniothyrium palmicolum* (Deuteromycetes)
†*Mycosphaerella serrulatae* (Ascomycetes)
PASSIFLORA:
‡*Ascochyta passiflorae* (Deuteromycetes)
PELARGONIUM:
Pratylenchus pratensis (Nematoda)
PHALARIS (?):
Lophodermium arundinaceum (Ascomycetes)
PHASEOLUS:
‡*Ascochyta phaseolorum* (Deuteromycetes)
Cercospora brachiata (Deuteromycetes)
PHILODENDRON (?):
†*Uredo monsterae* (Promycetes)
PHRAGMITES:
Lophodermium arundinaceum (Ascomycetes)
†*Puccinia magnusiana* (Promycetes)
PHYGELIUS:
Meloidogyne hapla (Nematoda)
PINUS:
†*Phoma acicola* (Deuteromycetes)
‡*Rhizosphaera pini* (Deuteromycetes)
PITHECOCTENIUM:
†*Prospodium pithecoctenii* (Promycetes)
POLIANTHES:
Meloidogyne incognita acrita (Nematoda)
POLYGONUM:
Cylindrocarpon candidum (Deuteromycetes)
POUTERIA:
‡*Elsinoe lepagei* (Ascomycetes)
PRUNUS:
‡*Septoria pruni* (Deuteromycetes)
PUNICA:
†*Cercospora punicae* (Deuteromycetes)
Sphaceloma punicae (Deuteromycetes)

See footnotes at end of this list.